SERA

Repeater Journal

Amateur Radio FM and Repeaters in the SouthEast

8 STATE REPEATER INDEX INSIDE

The Official Voice of SERA, Inc.

February, 2004
published quarterly

4.00

REGIME CHANGE:
W4RWG Elected SERA President

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SERA
The SouthEastern Repeater Association

Providing voluntary frequency coordination for Amateur Radio repeaters in Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia and West Virginia

Officers and Staff

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Database Manager	Frank Lynch W4FAL
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Associate Membership Emeritus	Lindsay Cleveland W4IZI
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Internet Manager	Alex Hedrick N8FWL
Publications Committee	Gary Pearce KN4AQ, *chairman*

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***callsign*@sera.org**

Don't know who to contact? Send mail to:
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or call the ***SERA Hotline:*** **888-HAM-SERA**
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SERA Repeater Journal
The Official Voice of SERA, Inc.

The Official Magazine of the SouthEastern Repeater Assn., Inc.

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February, 2004

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SERA Membership

Full Repeater Membership

(A Membership for Repeater Owners & Sponsors)

Any repeater owner or club may join SERA as a Full Member if they have a properly coordinated and operating repeater on the air. A Full Membership application, coordination information (if not on file), and the correct membership fee should be submitted.

Two individuals representing the full member repeater, named and listed on the application by the owner, receive the *Repeater Journal* each quarter.

The two Full Member Representatives have voting privileges in SERA elections and may be eligible to hold elective offices within the organization. The full member repeater is also recognized as a SERA supporter in the repeater index with a ☺ symbol. A Full Member application is available in this issue of the Repeater Journal, and on the SERA web site: **www.sera.org**.

Full Member dues are $20/year, pro-rated by quarter. All full memberships expire on December 31st of each year.

Associate Membership

(A Membership for Repeater Users)

Amateurs Radio operators, especially repeater users, are invited to join SERA as Associate Members. Only $10 per year will enable you to support the organization and receive the *Repeater Journal*. Associate Members may hold appointive offices within SERA, but do not have voting privileges.

Associate Membership begins in the quarter you join, and dues are not pro-rated. Renewals are due in the same quarter in subsequent years.

Repeater Journal Mailing

The *Repeater Journal* is mailed Bulk Rate during the first week of the cover date. Delivery takes one to two weeks. Notify the **editor** if you have not received your copy by the 1st of the following month. **The Journal is *not* forwarded to new addresses. If you move, send your new address to the editor!**

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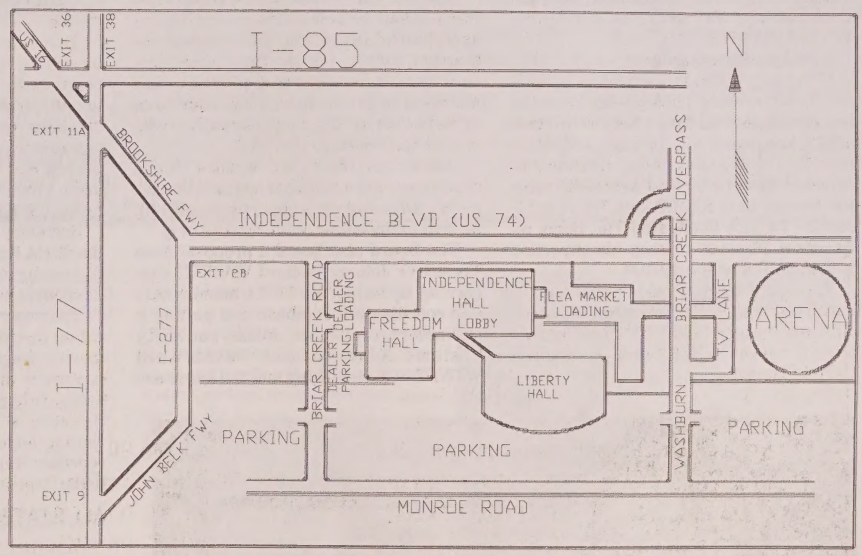

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W4RWG Elected SERA President

Newly elected SERA President Roger Gregory W4RWG conducted his first Board meeting in Pigeon Forge, TN on Saturday, January 3rd, 2004. Roger, who is also the South Carolina Director, had been recommended by the Nominating Committee. With no nominations coming from the "floor" (from SERA full members), Roger was declared elected.

Also reelected without opposition to continue in office were Vice President Richard Wright W4LOC (GA), Secretary Alex Hedrick N8FWL (WV) and Treasurer Johnny Wofford WA4ETE (TN).

Other personnel changes:

Tim Berry WB4GBI resigned as Tennessee Director, citing a heavy work load that was preventing him from timely completion of SERA business. Vice Director Andy Masters NU5O was automatically promoted to Director. Andy nominated Assistant Director Jerome Buie KB4POA as TN Vice Director. He also nominated Tim Berry as Assistant Director, to keep his expertise within the Tennessee district.

The Board approved all nominations. In e-mail voting since the November *Repeater Journal*, former SERA VP Pete Seabolt N4KHQ returns to SERA as a Georgia Assistant Director.

Treasurer Johnny Wofford announced that SERA continues to operate in sound financial condition.

ON-LINE MEMBERSHIP READY

Virginia Vice Director Jay Campbell N4YMY told the Board that the on-line SERA membership web page was ready to go, and would be turned on shortly after the Board meeting. He gave the board a demonstration of how the site would work.

The site will permit secure credit card transactions for new and renewing full and associate members, and has complete application forms. For the time being, processing a full member will require an e-mail follow-up to get the names and addresses of the two voting SERA representatives who receive the *Repeater Journal*.

Also for now, the site will accept a change of address only when accompanied by a renewal. Other address changes should still be sent to the editor (editor@sera.org).

The Board also heard a proposal from Treasurer Johnny Wofford WA4ETE concerning updating the SERA membership and coordination database and putting it on-line for coordinators. Johnny and SERA Systems Administrator David Ward W4WDW will be looking into the hardware and software needed for this project. (Note that this is not a proposal to put the database on-line for user access. The Repeater Index in the *Repeater Journal* and the ARRL *Repeater Directory* are currently the only outlets for the SERA database for users).

PAPER REPEATERS

The Board discussed the problem of so-called "paper repeaters." These are repeaters that for one reason or another are in the SERA database, but are not actually on the air.

Tennessee Director Andy Masters NU5O brought up the question, noting that SERA's coordination policy requires Coordinators to notify repeater owners by certified mail that their coordination is in jeopardy. Some repeater owners have moved or just disappeared, and their address in SERA records and on the FCC license database is not up to date, making notification impossible.

Secretary Alex Hedrick N8FWL said that the SERA Executive Committee had begun discussing this issue, and would be making a recommendation to the Board soon.

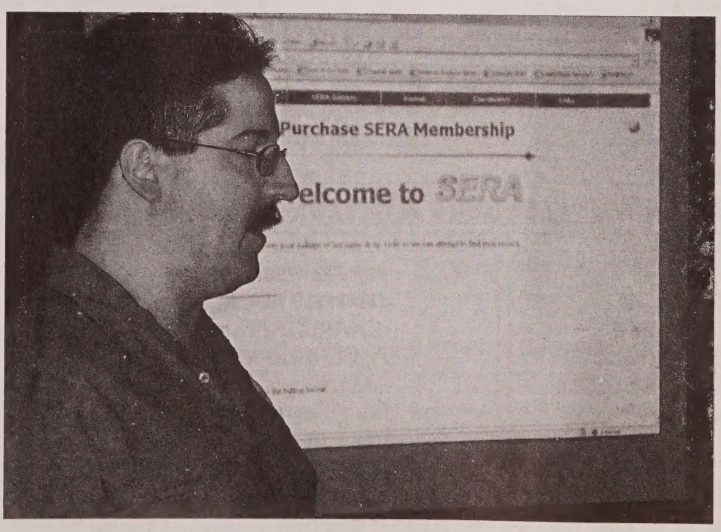
The paper repeater problem is most critical on the two meter band, where finding unused frequencies to coordinate new repeaters is difficult or impossible in many areas. Other bands still have room for new repeaters, so inactive machines are not preventing anyone from coordinating a new repeater. But they do create inaccuracies in the Repeater Index.

ALL STATES REPRESENTED IN *RJ*

Repeater Journal Editor Gary Pearce KN4AQ announced that for the first time in many years, all eight SERA states have news columnists in the *Journal*. New West Virginia correspondent Richard Clemens KB8AOB adds the missing piece to the puzzle. Gary noted that Pat Spencer KD4PWL took over the Kentucky column, and Roger Gregory W4RWG would continue with the South Carolina Column in addition to his duties as SERA President.

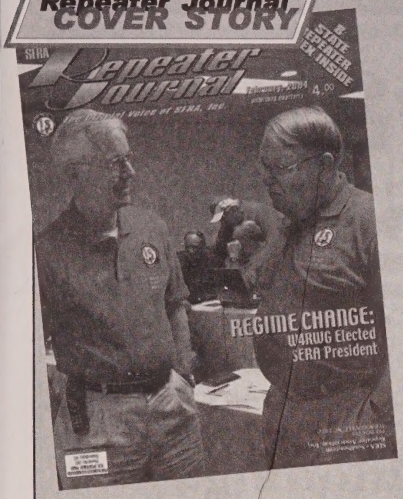
Gary also announced that a new regular column covering Internet Linking by Danny Musten KD4RAA would begin in the February 2004 issue.

Repeater Journal circulation (and SERA membership) started an upward trend in 2003, finishing about 200 above the close of 2002. The printing problems that caused trouble with the August issue (many members received only the cover, while the body of the issue was lost) were solved by



Jay Campbell N4YMY demonstrates the new SERA online membership page. Full and Associate members can now join and renew their SERA membership via the web page at: ***www.sera.org***

Repeater Journal COVER STORY



On the cover: *outgoing SERA President Don Williams W4VT talks to his successor, Roger Gregory W4RWG, during a break in the SERA Board meeting. Don served three terms (six years) in the President's chair.*

Message from the President . . .

Hello,

My name is Roger Gregory W4RWG. I have been elected President of the SouthEastern Repeater Association for 2004-2005. I am honored to be allowed to serve in this position. I want to thank Don Williams W4VT for his hard work and dedication and for serving as President for the last six years. It is hard for me to imagine SERA without Don as President. He has done a fantastic job.

I am looking forward to working with all of SERA's staff members. We will do our best to do a good job for you, the repeater owners and users. I plan to continue my position of South Carolina Director and also continue writing the SC News. Feel free to contact me any time. My contact information is on page 2 of the *Journal.*

73 Roger

. . . and the former President

I want to congratulate Roger Gregory on his election to the presidency of the South-Eastern Repeater Association. Roger has proven his dedication and superior ability over the last several years as South Carolina Reporter for the Repeater Journal, Vice Director, and most recently as Director of the South Carolina District.

I have served as president for six years. It's time to step down and let someone else equally qualified (and younger!) take over. This is the first time since January 1987 that I have not served on the Board of Directors, but don't think I plan to be inactive in SERA. I plan to continue as a Virginia Assistant Director and Western Virginia Frequency Coordinator. I will continue to coordinate repeaters from Roanoke and Martinsville west. And I will also be available for other duties for which I may be appointed in the future.

I have had a highly qualified staff consisting of elected Board members and other volunteers working with me. The SERA is a great organization of highly dedicated volunteers – dedicated to the betterment of amateur radio – and will continue to serve all amateurs in the southeastern region of the United States.

Don W4VT

switching to a slightly thinner paper. The November 2003 issue looked good, and there have been few complaints.

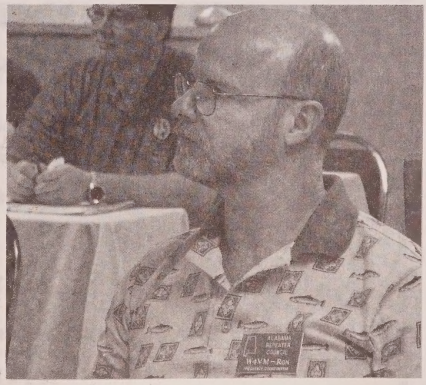
AL COORDINATOR VISITS SERA

New Alabama Frequency Coordinator Ron Shaffer W4VM from Huntsville was a welcome guest at the Board meeting. Ron came to see how SERA operates so he can talk to the Alabama Repeater Council about the possibility of merging with SERA. Alabama is "surrounded" by SERA states, but to date the Alabama group has remained independent and not part of any umbrella group.

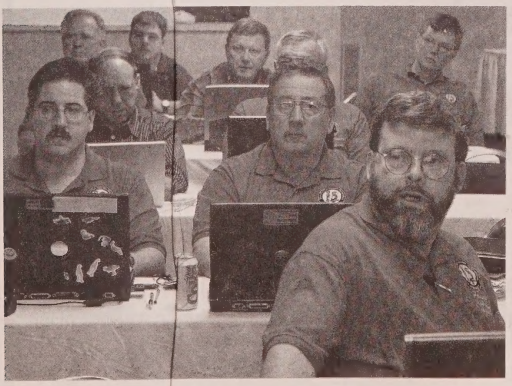
The SERA Directors would all like to have the Alabama join SERA, saying it would be advantageous to both Alabama and SERA. SERA would close the gap between Georgia and Mississippi, and together they would present a stronger front in repeater coordination in the region. Alabama would gain SERA's tools (like the ComStudy coverage analysis program), and Alabama members would receive the *Repeater Journal.* Both groups would benefit from shared expertise.

One significant hurdle is Alabama's band plan for the top half of two meters. SERA's band plan calls for only 15 kHz channel steps above 146 MHz, but Alabama uses both 15 and 20 kHz, coordinating whichever works best for a given repeater (15 kHz is used more near the borders. Ron noted that there could be a few repeaters in current SERA states near the Alabama border that might work better on 20 kHz channels).

The issue was not discussed in detail at this meeting, but would have to be worked out if Alabama decides to seek SERA membership. ■



Alabama Repeater Council Frequency Coordinator Ron Shaffer W4VM visited the SERA Board



Once again, ***ComStudy*** *training kept the SERA coordinators busy Saturday morning. The program can provide an accurate prediction of repeater coverage*

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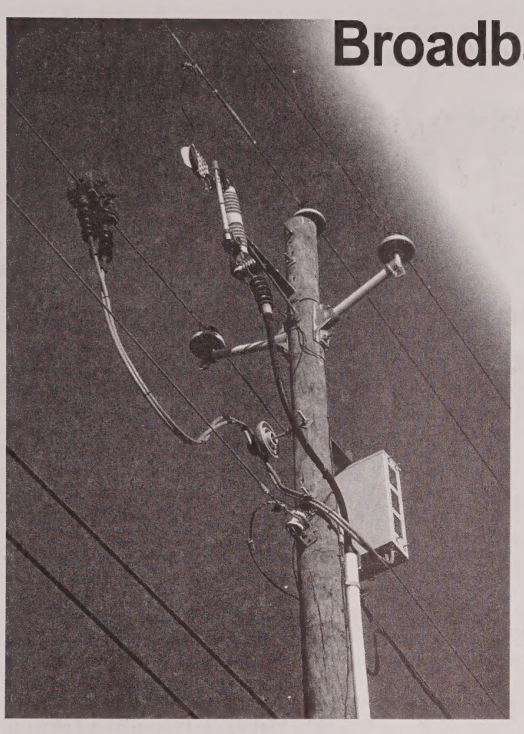
Broadband over Power Lines

BPL

and Amateur Radio

Gary Pearce KN4AQ



Amateur Radio operators are seriously worried about BPL – Broadband Internet over Power Lines – and the interference potential it holds for High Frequency (and low VHF) operation. In the southeast, Raleigh NC based Progress Energy (formerly CP&L) has responded to many calls and e-mails from concerned hams by contacting several local Amateur leaders and beginning a dialog to include Amateur Radio in their BPL testing.

In October, Progress Energy network engineer Bill Godwin met separately with Wake County ARES EC Tom Brown N4TAB, and me, and talked by phone with Technical Specialist (and SERA NC Vice Director) Frank Lynch W4FAL.

The meetings were friendly. Godwin wanted to know more about Amateur Radio, what we thought our problems with BPL might be, and who in the Amateur community he and Progress Energy should work with. They had been hearing from a lot of us, and needed to define a point of contact. In addition to those above, we identified North Carolina Section Manager John Covington W4CC, and ARRL Lab Supervisor Ed Hare W1RFI, as a core group for Progress Energy to work with. Godwin set a positive tone by promising that we would be part of the next phase of testing, to begin early in 2004 in Wake County, NC.

Tom Brown N4TAB had the initial meeting with Godwin (and Chris Funari, another Progress Energy engineer). He said that they both had a basic understanding of the interference potential that BPL might cause to Amateur Radio. They discussed some of the regulations that BPL operates under (see the BPL Primer), and the makeup of the Amateur Radio community. Brown introduced some ideas that Godwin and Funari hadn't considered yet, like the possibility of interference from hams to the BPL system in the ham's neighborhood. Mostly, though, it was an initial meeting designed mostly for the people to get to know each other.

When I met with Bill Godwin two weeks later, we talked a little more about how BPL might affect Amateur Radio. I gave him a brief overview of the spectrum that BPL covers, noting that it is literally the entire spectrum available for worldwide ionospheric propagation. I showed him where Amateur Radio bands fit in that spectrum. And we tuned the bands a little.

We looked at the bottom of my cordless phone, and read the Part 15 language about how unlicensed devices "may not cause harmful interference" to licensed services. Then I tuned in some weak signals on 20 meters, and I asked what "harmful interference" would be: making the signals slightly harder to hear? Difficult to hear? Impossible to hear? It was a good example of the difference between "meeting specs" and the real world. BPL hardware vendors say their systems "meet specs." But they don't warn customers (like Progress Energy) about what real interference their systems can cause.

Godwin asked about notch filters. I explained that notching the ham spectrum might work in a limited sense, but it wouldn't protect other services like shortwave broadcast listeners, aviation, etc. And it wouldn't protect bands that ham radio might get in the future. I mentioned the example of the "HomePlug" system that uses home power lines as a local network. HomePlug is a form of BPL that radiates RF across the HF spectrum, and initial units caused considerable interference in the home where the device was installed, and in neighboring homes. The company worked with the ARRL to develop reasonably effective notches that limit interference in the ham bands, but that was before our new allocation at 5 MHz. HomePlug continues to interfere with 5 MHz reception and other shortwave reception.

PHASE I

Progress Energy completed their Phase I test in the Wakefield area of north Raleigh early last summer. Phase I was designed to give their engineers experience with the hardware, and let them know if it really worked. From their perspective, it worked well – computer users got better than expected connection speeds. Amateur Radio was not involved in that test, and no Amateur Radio interference monitoring was conducted. But they have been hearing from hams steadily, and stridently, ever since.

PHASE II

Godwin promised the hams that they would be involved in the Phase II test, and on January 15, Progress Energy us to observe their new trial in a rural subdivision south of the Raleigh. The trial was in its early stages. The BPL equipment had been installed and connected, but no customers were on-line yet.

W4FAL, N4TAB and I met with Godwin and Gerrett Durling, an engineer representing Amperion, the equipment manufacturer. Also present were two hams who are also employees of Progress Energy: Don Duckett N9MN and Will Roberts AA4NC.

The BPL trial consisted of a half-mile of overhead feeder along a highway, and a few dozen homes passed by buried power lines

A BPL PRIMER for Amateur Radio Operators

BPL – Broadband over Power Lines – became big news last year as the FCC appeared to embrace the technology that uses neighborhood power lines to distribute high-speed Internet to homes and businesses. Currently being tested in very limited areas (but in full rollout in Manassas, Virginia), BPL provides a third avenue of high-speed Internet delivery, and competition to cable TV and phone-line delivered DSL.

BPL is a local delivery system. The Internet data is not carried long distances on the high-tension lines. It is carried from the electric substation on the medium and low voltage lines that criss-cross neighborhoods, either above ground on poles, or buried underground. It can bring the Internet right up to your AC wall outlet, but the system being tested by Progress Energy uses 802.11-based "wi-fi" wireless to bridge the final few feet between nodes in each neighborhood and the user's computer.

BPL is attractive to consumers. It provides Internet access at speeds similar to DSL and cable. It may be available in more places, or at lower cost, and the increased competition may drive cable and DSL prices down as well. Imagine being able to get high-speed Internet access from your own account just by plugging into any AC outlet in town, as promoted by the town of Manassas.

But the BPL technology has a flaw. To distribute Internet data, BPL puts RF energy on the power lines in the 2 to 80 MHz range. The power lines were never designed to carry RF. Unlike cable TV wiring, the power lines are unshielded, and act as antennas. The BPL signals on the power lines are low power – QRP, if you will – but the signals can be heard more than a mile from the power line. Ed Hare W1RFI, the ARRL Lab Supervisor, set up a test vehicle and visited some of the BPL trial installations. His results are reported on the ARRL web site, where you can learn about BPL in depth, and download a short video that lets you see and hear what he observed. The web site is: **www.arrl.org/tis/info/HTML/plc/**.

Ed found that BPL doesn't generate one big "wall of noise" across the entire spectrum. There are several different BPL systems, using different technology, and each has a different effect and sound on HF. Some sound like a series of closely spaced carriers. Some make clicking and chirping sounds like a Geiger counter. Sometimes it sounds like a phone ringing. The signals are distributed unevenly across the spectrum, but where they are present, they can cover tens to hundreds of kilohertz at a time. And they can be strong – S9 or better – hundreds of feet from a power line. Some systems use more spectrum when they are carrying data.

BPL is regulated by Part 15, the section of the FCC rules covering unlicensed devices. That includes both radios intended to put a signal on the air (cordless phones, baby monitors and the new 802-11 "wi-fi" wireless computer networks), and "unintentional radiators" (computers, microwave ovens, BPL) that don't really want to be on the air, but can't help letting a little RF escape. There are technical limits about how much RF can be radiated, and also a stipulation that the devices are not permitted to cause harmful interference to licensed services (including Amateur Radio), and receive no protection from interference they receive from licensed services.

The FCC has a **Notice of Inquiry (NOI)** pending that asks if any changes to Part 15 are needed to accommodate BPL. The notice doesn't make specific recommendations about changes. It just asks questions about how BPL might work, what problems it might cause, and how the rules might be changed to accommodate BPL, especially changes in signal measurement, since BPL defies the current test schemes. The NOI discusses the problem of interference to HF operation, and includes this paragraph of particular interest to hams:

> **18. Interference from BPL Emissions.** In... BPL technologies, multiple carriers spread signals over a broad range of frequencies that are used by other services that must be protected from interference. In the spectrum below 30 MHz, incumbent authorized operations include fixed, land mobile, aeronautical mobile, maritime mobile, radiolocation, broadcast radio, amateur radio terrestrial and satellite, and radioastronomy. In the spectrum from 30 to 300 MHz, incumbent authorized operations include fixed land mobile, aeronautical mobile, maritime mobile and mobile satellite, radioastronomy, amateur radio terrestrial and satellite, broadcasts TV and radio. This spectrum is also used for public safety and law enforcement, and Federal government aeronautical radionavigation, radionavigation satellite and radiolocation. Each of these authorized services in the spectrum must be protected from harmful interference.

The comment and reply comment period on this NOI expired last summer. The FCC received thousands of comments, the bulk of which came from hams asking that the systems be prohibited. Other HF spectrum users also protested. Late comments are still being filed.

BPL vendors and the power industry say that the systems being tested meet the Part 15 radiation limits. And they say that no tests have shown actual interference. In public comments to date, the power industry has carefully avoided any comment on the ARRL tests, although their reply comments to the NOI claim that the ARRL tests were flawed.

The ARRL position is that it's BPL that's flawed. BPL doesn't work without the risk of substantial interference to Amateur Radio and other HF spectrum users, and can't be made to work. Even if systems can be made to effectively notch the bands we use today, a widely deployed BPL infrastructure would effectively lock us *into* the current bands and *out of* any new HF bands, for two reasons: the notches wouldn't protect the new bands from interference, and they wouldn't protect the BPL system from interference *from us* on those bands.

And yes, hams could cause interference to their neighborhood BPL systems. The ARRL calculates that the BPL energy in the power wiring would be a few hundred milliwatts. An Amateur Radio signal from a legal-limit station, running a gain antenna, could induce several *watts* of energy in the line. So although the ham would be on one narrow spot frequency compared to the broadband BPL signal, the BPL amplifiers could be overloaded, producing artifacts that interfere across the BPL spectrum or even shutting the amplifier down completely. The effect: another reason for a neighbor to be unhappy with a neighborhood Amateur even thought the Amateur is doing nothing wrong. Tests by AMRAD at the trial site in Potomac, MD, stopped data throughput with moderately powered signals.

If all of this sounds like a "no-brainer" – that BPL just can't and won't be permitted to be built and enter the marketplace – then you haven't been paying attention. Until recently, the media, marketplace, and regulatory system (the FCC) ignored complaints by Amateur Radio and other HF spectrum users. Now, the talk is of compromise and "tolerable" interference levels.

For links to a vast array of BPL information, visit this ARRL web site:

www.arrl.org/tis/info/HTML/plc/

carrying the BPL signal. The neighborhood was brand new, and was isolated from other residential areas by farm fields and a wooded stream.

BPL SPECTRUM DETAILS

Amperion's Gerrett Durling explained the system. The overhead feeder brought the data to the neighborhood via BPL (in this trial case only for about a half-mile). An 802.11 based wi-fi system provided a bridge from the feeder to the neighborhood underground system, where it was again transported on the power line with BPL. There was a "repeater" in an above-ground pedestal every block or so, and most of those were connected to 802.11 wireless access points that fed customer's homes.

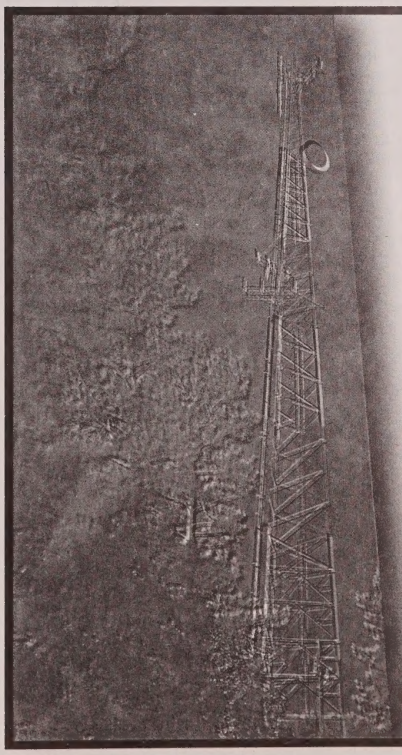
The hams were particularly interested in the spectrum used for the BPL legs of the system. Durling explained that each run of BPL, from repeater to repeater, used two blocks of spectrum, about 3.5 MHz wide for the downstream signal, and 2.5 MHz wide for the upstream signal, for a total of 6 MHz. At each repeater, two different blocks of spectrum were required. The blocks could be anywhere between 2 and 50 MHz, but Amperion preferred to use spectrum between 8 and 30 MHz. The specific spectrum chosen for any line segment depended on the characteristics of the line, and the need to avoid frequencies that would interfere with other services in the area of that line (for example, Amateur Radio). The blocks could be as close as 100 kHz apart, or could be as far apart as opposite ends of the available spectrum.

REAL INTERFERENCE

The overhead feeder segment in this trial used spectrum blocks around 25 MHz and 29 MHz. The hams listened with mobile equipment driving on the road adjacent to the power line, and received strong signals (S-9) in the immediate vicinity of the line. The signal fell off quickly when driving away from the line, and was faintly audible at about 400 feet. The BPL signal appeared as a series of carriers about 1 kHz apart, and completely filled each block of spectrum. Some of the carriers were modulated by slow clicks, but the system was not yet carrying data to homes. A ham at a home station just under a mile away heard the 10-meter BPL signal about S-6 using an 80-meter dipole antenna. A ham with a large beam on a 100 foot tower five miles away did not hear any signal.

The hams also listened to the underground segments. They found spectrum used near 10 and 15 MHz (including a strong beat note against WWV at 15 MHz). The BPL signal was weaker, and only audible within about 100 feet of the above ground pedestal. No signal could be heard by the mobiles in be-

Bill Godwin, AA4NC, N4TAB, W4FAL, and Garrett Durling measure the radiated BPL signal on a spectrum analyzer at Progress Energy's Phase II trial neighborhood south of Raleigh, NC



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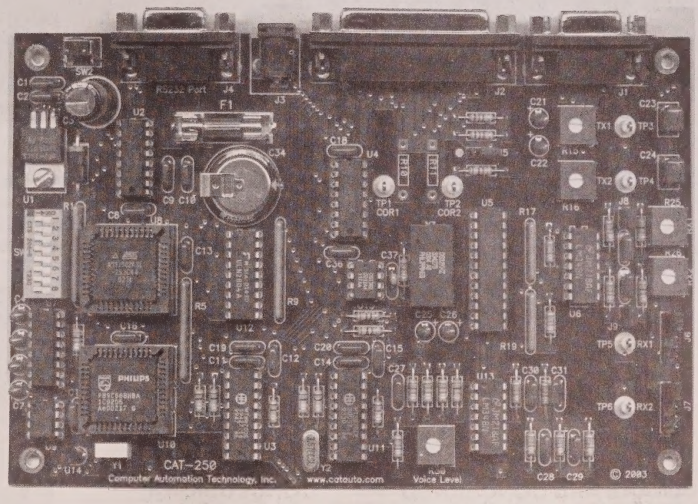

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tween pedestals. A home station with a larger antenna would have a better chance of hearing the underground signals anywhere in the neighborhood.

The hams tried a brief transmit test, with results reported by the Amperion Network Operation Center (NOC) by cell phone. The NOC sent data through the overhead feeder, and looped it back to measure throughput. A 5-watt FM signal on 29.6 MHz from a mobile parked directly under the overhead segment stopped throughput for the duration of the transmission. However, a 100-watt FM signal on the same frequency only caused a momentary blip in throughput. A 100-watt cw carrier on 40 meters had no effect on data. This was just a quick test, and the contradictory results shouldn't carry too much weight.

This is the neighborhood where Progress Energy set up their Phase II BPL trial. Power lines are buried. Homes are fed by 802.11 type wi-fi, with antennas hidden in light poles like the one in the middle of the picture

AWARE AND CONCERNED

The ham's discussion with Amperion's Gerrett Durling showed that Amperion is concerned with interference to hams and other spectrum users. Durling said that his company is especially interested in the report due from the NTIA sometime early this year. He said the NTIA had spent several weeks monitoring Amperion installations, among others. Amperion's BPL equipment is frequency agile. The NOC can quickly move any repeater to another block of spectrum, or notch a few hundred kHz of spectrum in a block, by remote control. During this test, though, they were not able to move the overhead segment away from the 10-meter band. Durling said that the NOC operator was tied up with provisioning another system and didn't have time to work with the test.

There could be a little domino effect when one repeater is moved, since adjacent repeaters must use different blocks of spectrum. This could conceivably cause one ham to start receiving interference if his local spectrum block was moved to accommodate an interference problem of a ham on the other side of the neighborhood.

SKIP SKIPPED

One question not addressed was skip. All the discussion was about the effect of local signals. But it is possible that BPL signals, which have the characteristics of very low power QRP hams, could reflect off the ionosphere and appear hundreds or thousands of miles away. The energy of one isolated trial area might not have much impact, but a mature nationwide system with hundreds or even thousands of installations using the same spectrum blocks could be a very different story.

CONCLUSIONS

It's too soon to draw many firm conclusions from this one observation. Amperion's tests show that their signals meet Part 15 guidelines, though those guidelines were drawn more to measure the leakage from a computer cabinet than from a long unshielded wire.

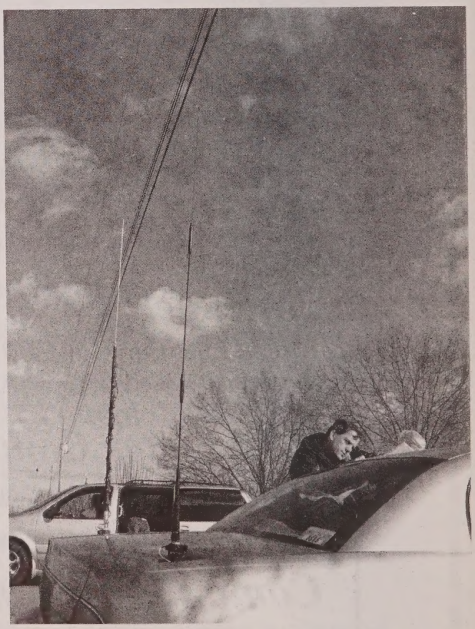
Amateur observation of this and other BPL trials show that, Part 15 limits notwithstanding, the radiation is clearly enough to cause harmful interference to Amateur Radio operators and other spectrum users in the immediate vicinity of the power line (which would violate Part 15, whether the signal is within radiation limits or not).

Amperion's equipment appears to be frequency agile enough that, in the hands of a utility or service provider who cared enough and was responsive enough, interference problems to individual hams could be cured on a case-by-case basis, assuming that systems were not designed to avoid the ham bands altogether from the beginning. Shortwave listeners and other HF spectrum users might be able to avail themselves of the same assistance.

At least, that's what it looked like in an isolated, rural setting. But how viable is this flexibility in a dense urban environment, given the customer service realities of some utilities and the Internet Service Providers they might subcontract the system to? And not all BPL systems may have this flexibility. Durling said that he could not comment on the capability of competitor's designs, although several competitors systems are based on the same "chip set" that provides most of the system control.

Even with that flexibility, fitting 3.5 MHz wide blocks of energy in between ham bands would be a delicate jigsaw puzzle. That much "empty" spectrum exists only between the 30, 20 and 17-meter bands, and it's empty only from the perspective of Amateur Radio.

The good news is that Progress Energy and Amperion are clearly aware of and concerned about interference to spectrum users, especially Amateur Radio. They are considering ways to eliminate it. While the "BPL industry" has taken a general public



Amperion's Garrett Durling gets a report from the Network Operation Center as Frank Lynch W4FAL transmits on 29.6 MHz FM. This brief test did show some interference to the BPL system, but the test was inconclusive.

stance that there is *no* interference problem,[1] Progress Energy and Amperion have *not* made those public statements, and there was no evidence of that attitude at this meeting. The technology is still young and evolving, with interference mitigation a clear goal in next generation designs.

WHAT'S THAT NOISE?

Got BPL problems already? Hams have begun asking if some of the strange noises they're hearing here and there could be BPL. Probably not. As I approached the Phase I BPL trial site for the first time, tuning across the band that I was told to monitor, I wondered what I would hear. I had the volume cranked up, and I was sensitive to every pop and squawk from the speaker. I'd seen Ed Hare's video, but there was enough variety in the sounds of the various systems that I wasn't sure what to expect. Once I began hearing it, though, the Amperion system's multiple-carrier sound was unmistakable as it rose out of the background noise.

These days the bands are full of computer generated noise. Some of it may be hard to distinguish from BPL system sounds, except for one thing: when BPL signals are present, they occupy a broad chunk of spectrum – hundreds of kHz. If you're hearing noise at just one spot on the dial, it's probably not BPL.

Right now, BPL installations are so rare that it's quite unlikely you are hearing one. Amateurs investigating BPL worry that if there are a lot of false complaints of BPL interference, it will hamper efforts to contain the real problem.

FCC ENFORCEMENT?

The FCC's Riley Hollingsworth said that interference complaints about BPL would be handled the same way as other power line complaints, if there are any (there have been none from the trial areas so far). Hollingsworth is actually the last stop in the interference resolution chain that begins with the utility itself and is usually resolved with help from the ARRL before the FCC needs to get involved. Each year he sends several letters to utilities that have failed to fix an Amateur's interference problem, reminding them of their obligation to clear up interference, and advising them that the ARRL will help them do that.

WHAT'S NEXT?

Yet to come in BPL: The NTIA's comprehensive report and recommendations due any time; an FCC Notice of Proposed Rulemaking for changes in Part 15, based on last year's Notice of Inquiry; and a decision by *your* local utility about getting involved in BPL. ■

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[1] ET Docket No. 03-104, Reply Comments of the **Power Line Communications Association**, from the FCC web site:

> "No matter how loud opponents may shout, they cannot point to evidence in this country that BPL systems are causing, have caused, or will cause, harmful interference to other spectrum users or other third parties.

"The PLCA is a domestic trade association representing the interests of electric utilities, manufacturers, and Internet service providers interested in offering power line communications. The PLCA's membership (at the time of this filing) includes Ameren Corporation, Dominion Resources, Inc., Southern Company, TXU Electric, Progress Energy, PPL, Earthlink, Main.net, Big River Telephone Company, Ambient Corporation, Plexeon Logistics, Inc., and Softential."

ARRL proposes code-free HF

The ARRL is petitioning the FCC for another round of Amateur Radio license restructuring with a proposal that will permit no-code HF operation for the first time, and further simplify the classes of Amateur licenses. The League announced the proposal on it's web site in mid-January.

The proposed license classes would be Novice, General and Amateur Extra, with these details:

Novice. The Novice license would be revived as a no-code entry level license, but would have cw/data/phone privileges on segments of 80, 40, 15 and 10 meters at 100 watts, and all of 6, 2, 220 and 440 at 50 watts. Existing Novices would be grandfathered into the new license.

General. The General class would become no-code, and existing code and no-code Techs would be upgraded to General with no additional exam. Privileges would remain similar to the existing General class. The Technician class would be gone.

Amateur Extra. The Extra class would retain the 5 wpm code test. Current Advance class hams would be upgraded to Extra with no additional test, and the Advanced license would also end.

The proposal also calls for some "spectrum refarming" that would generally increase the phone segments of most HF bands.

Details : www.arrl.org.

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kd4raa@sera.org

*The **Repeater Journal** welcomes a new, regular column documenting the growing utility of linking repeaters via the Internet. In his first column, Danny KD4RAA reviews how he and his group got in on the ground floor. - KN4AQ*

There is no doubt that a growing segment of repeater owners and trustees are embracing Voice over Internet Protocol (VoIP) for use in repeater linking and making point-to-point contacts outside of their coverage area. It certainly is a proven tool for both emergency response and promoting international good will. VoIP linking continues to grow, with new nodes appearing almost daily, and as with the advent of other new operating modes, hams are finding practical ways to make use of it.

I hesitated to accept Gary's invitation to do a column on Internet linking, with the uncertainty in my own mind concerning its application beyond experimentation and recognizing the "purists" out there who would diminish any notion of the Internet being ham radio other than it being ONLY RF throughout. Besides, the creators never envisioned that their Internet linking projects would grow to the numbers of participating nodes we now have today. As I took a step back and reviewed all that has been accomplished in these few short years, it is obvious that the technology and utilization has gained worldwide acceptance by popular demand and is here to stay.

Aside from an occasional comment we receive from those with HF only mentality, we can say with certainty that VoIP linking will stand on its own merit. Even in the commercial world, Internet linking is being used to link public service and other land mobile services... so it's really nothing new to marry wire and radio. In this column, we hope to report on the development and growth of VoIP linking – focusing on the two popular schemes: **Echolink** for the Windows users and **IRLP** on the Linux platform. Our intent is to share the various applications, technical tips and resource base for those wishing to use VoIP.

During the Internet Radio Linking Project's infancy, I was fascinated with the possibility that I could join one of my Raleigh repeaters to my childhood friend's machine, who is now in South Carolina. By the late night campfire at our annual Field Day gathering in 2000, we considered this Internet linking, since we were economically out of range with an RF path from NC to SC. Soon after, we set in motion the resources to allow our repeaters to link from one state to another without expensive tower hopping or the use of precious RF spectrum.

The effort was not without the help of folks who certainly knew more than I, like Jim WW4M on Linux, Jack WA0ERX on networking, Nate WY0X and a host of others who added to the collective. In the spirit of ham radio, it was a combined effort of resources, both RF and Internet technology, that seemed to merge amateur talents and interests that had never been tapped before. Adding Reflectors (enabling the simultaneous connection of an infinite number of nodes) increased the range of "community repeaters" and brought life back to machines that were otherwise underutilized.

With tower space at a premium these days, Internet Linking provides an alternative to joining regional repeaters otherwise not reachable with an RF link. Our local group took full advantage of the groundwork that Dave Cameron VE7LTD had developed with IRLP and soon had jumped in with both feet.

On our local system, we now have four nodes in place for our area users to work with. Our 2-meter repeater hosts an IRLP node that pretty much stays connected to one of the high traffic international QSO reflectors. For some visiting our area, this is the first time they are exposed to Internet linking and we often hear the comment "man, the band must be really open today."

Our UHF link system hosts a node that is used primarily to connect to other regional repeaters outside the reach of our current RF capabilities and can be used for calling nets and severe weather response. We have a stand-alone UHF repeater that hosts another node where folks can make personal point-to-point contacts via either IRLP or Echolink. On demand the control ops can link the two VoIP systems in tandem for emergency response, but is not recommended as a norm (which we will address in the future). Finally, we have an Echolink and IRLP node "in house" that allows us to troubleshoot other nodes that we have built for other repeater owners and also allows us to experiment as well as monitor traffic on the network.

The old potato chip slogan "you can't eat just one" rings true, at least on our end, where we had to have the whole bag. We even established our own "East Coast" Multichannel Reflector to allow multiple repeater connects to complete the local package. (see www.kd4raa.net). All of the computers used on the systems were rescued from a trip to the landfill, so the only expense we have is the COS/PTT/DTMF interface board, some older commercial GE Phoenix or Motorola GM300 type UHF link radios (that have a convenient COS follow PL logic with flat, switched audio out) we had on hand, and some time experimenting with the software.

GROWING PAINS

With the virtual explosion of IRLP and Echolink, the growth of VoIP has not been without growing pains. Amateurs are tough on anything new and tend to evaluate it with much scrutiny before jumping in. Much of the technology, application and utilization have been generated on the fly as the schemes made their appearance on the amateur scene. The emergence has been so quick and recent that the community's stance regarding the policy and use of Internet linking is still somewhat reactionary.

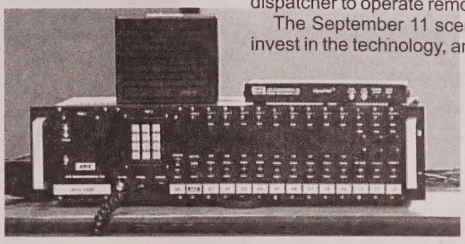
SERA has been helpful in setting some guidelines for repeater linking to assist in coordinating frequencies for the auxiliary stations that serve as links between computers and repeaters as well as for spectrum management (see "SERA Releases position on IRLP & Echolink type stations" on the SERA web site: **www.sera.org**). Volunteer software developers are attuned to the ever-changing needs of the community and are modifying features to better suit how hams are using the applications. Veterans in the systems now assume the roll of VoIP Elmers to help new node owners fine-tune their installs. User groups were formed so node owners could help one another improve performance and explore added features. It is an enthusiastic group that continues to grow this particular niche of the hobby. So far, it appears that the community is doing a fair job of policing itself, with room to grow.

As the novelty began to wear off, folks began to think of practical ways to better utilize the technology. International nets formed; school contacts with the International Space Station were shared on the Reflectors; a group formed to assist with Shuttle debris recovery; a kids-only net developed to allow cultural exchange; Scout's Jamboree over the Air events incorporated international VoIP contacts; SKYWARN and Hurricane Nets report to the National Hurricane Center in Miami; technical nets are heard on just about any ham related topic; full-time regional repeater links using Conferences and Reflectors

can be found, etc.... Things that might have once existed only on HF are now done with portables on linked repeaters. We are observing trends toward specialization as both IRLP Reflectors and Echolink Conferences segment and identify themselves with target interests, cultural and language-specific groups, or linked repeaters in particular regions. The diversity resembles that of cable or satellite TV channels with much to choose from.

One of the most popular uses of IRLP and Echolink is for travelers to link back to home repeaters while on business or vacation. It is certainly easier to carry an HT — especially when traveling outside the country — and check in with the home folks via a local node.

An interesting event took place a few months ago when a California native took the time to e-mail me in advance of arriving in Raleigh to ask permission to use one of the local nodes. When he arrived in the Research Triangle Park to work, we had a brief QSO and I exchanged our local link access info. Two nights later I heard him calling his club net (apparently he forgot that he was scheduled to be net control). His local participants thought it clever that he was able to call the net remotely from Raleigh even though it was midnight our time.



JPS ACU1000

COMMERCIAL USE

VoIP is also gaining popularity in the commercial world, with several types of applications available. I was recently privileged to produce video documentation (my profession) for a VoIP product from JPS (Raytheon) that boasts Internet to-RF-connectivity. The ACU1000 integrates most any of the commercially available two-way radios in a fly package for use in mobile command centers and tactical response. Imagine having to quickly patch a VHF high band radio to a low band service and then having Nextel and/or cell phone service added to the mix to link to multiple UHF repeaters. Any or all of these systems could be tied together for a coordinated response effort. Basically anybody can talk to anybody - even when the primary repeater or trunked systems go down. You can even add a telco patch and Internet VoIP link on the box to allow the dispatcher to operate remotely - away from ground-zero.

The September 11 scenario has prompted many agencies to invest in the technology, and with homeland security dollars available , a VoIP link is one of the add-on features to the interoperability system. You know, many of the development and training staff at JPS are ham operators and seemed to have put a mighty good idea in motion. This is the ultimate cross-multi-band repeater!

In future issues, I will be calling on some of the experts and creators of the various VoIP schemes along with my partners in the local IRLP/Echolink projects – K4JDR and WW4M – to contribute their experiences with Internet linking. We will explore some tips on setting up and maintaining an IRLP or Echolink node as well as some of the experiences we have encountered with their operation. If you have comments or questions, feel free to drop me an e-mail at **danny@kd4raa.net,** or better yet, call me on IRLP node 5270 - Echolink node 7969.

In the mean time you can check out the following resources for more information.

- IRLP - **www.irlp.net**
- Echolink - **www.echolink.org**
- SERA on VoIP - **www.sera.org** ■

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Questions? Contact: ***Joe White, WA4GIR or Liz White, KO4CK, (919) 387-9152 WA4GIR@arrl.net or KO4CK@arrl.net*** *(Exam information only, please).*

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The Marriage of Broadcasting and Ham Radio

It has been said that when one door closes, another one opens. All through high school, I'd been preparing for a career in astronomy. The hobby was a passion, and my course work and effort were directed in a "celestial direction." But amateur radio and electronics were starting to creep into the picture. This would make a good hobby, I thought, but I'd continue my quest for the skies.

It was not to be. My interest in amateur radio was growing and as a newly licensed ham, I was discovering the joy and excitement of working DX and building my own electronic gear. After upgrading my ham ticket, I went on to acquire an FCC First Class Commercial license and Ship Radar Endorsement. While in high school, I had my first taste of broadcasting as a student engineer at the school's FM radio station.

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I tried to fight off this interest in ham radio and broadcasting, and even started my freshman year in college with a focus on physics, astronomy and math. By the sophomore year, I was starting to realize that a career change might be in order. Astronomy could be my hobby, and electronics my career. So I changed over to electrical engineering. In college, I worked as a student engineer at the educational FM station, WUOT. It was something to operate the old GE and RCA tube type audio consoles. I recall the reliable Ampex 350 reel-to-reel machines, and those noisy, cranky Magnecorder PT-6A tape decks. It didn't have a cutoff, so the operator had to be ready when the tape ran out.

The transmitter was a really ancient REL using four very large 4-1000A final amplifiers (see the sidebar). This contraption was located on Sharp's Ridge a few miles from the University of Tennessee Knoxville campus, and was controlled by a dedicated telephone circuit. A simple analog dial-up and stepping relay were used for control and meter readings. Back in those days, the studio operator had to read the meters every 30 minutes and log all the details for the FCC. Every station had a "Conelrad" monitor to warn us of a possible national disaster such as nuclear bombs.

During a break in my engineering studies, I worked for a local commercial broadcast station, WBIR-radio and TV. I was interviewed by the Chief Engineer, Rex Horton, who also just happened to be a ham. And, as I soon found out, many of the transmitter and studio engineers were also hams. In fact, there was even an HF ham station at the TV transmitter site. WBIR (Channel 10) was in the process on moving their TV transmitter to another location, so I got to spend my first weeks serving as the transmitter engineer for their FM station. I recall the old Western Electric transmitter had a chain drive for tuning, and could be somewhat difficult to tune.

After the new TV transmitter site was activated, the FM transmitter was moved to this location and I, in turn, moved to the studio. My first studio job was operating audio on the "live" morning Cas Walker show. That was in the days when many country western stars were getting their start, and I recall a very young Dolly Parton being a regular on the show.

The station only had two cameras, RCA Image Orthicon types. They had a tendency to break down a lot, and staff engineers frequently worked on them. Their first videotape machine, an RCA TRT-1 tube monster, was used for tape delay and was so complicated (and unreliable) that a full time engineer was used to keep it operating. The video switcher was a simple RCA TS-11 mechanical push button unit. There were no special effects back then, and the switcher allowed the director to switch between sources, dissolve between sources and fade to black. Station breaks were done with a live announcer in an enclosed announce booth.

Back on the ham radio side, I was getting to meet a lot of broadcast engineers who were hams. Many of these engineers also built their own ham gear from scratch, or modified WW-II surplus equipment. The knowledge my early Elmers passed along to me as a youth entering broadcasting was acquired from their years of experience as hams and, in many cases, a military background in communications. 75 meters was a favorite HF band for many, and most had six meter mobile equipment such as the Gonset Communicators, Sixers, or HE-45s. The mobile antenna of choice was the famous Saturn 6 on the back of a vehicle.

Because the broadcast transmitting facilities were located on high hills, we frequently got to work other hams some distance away on six meters in our idle time. One of the advantages "of pulling transmitter duty" at a broadcast station was the free time (between meter readings) to pursue ham radio from a good QTH.

Later, I would get a job offer at the University of Tennessee as the engineer for the new television department. What started out as job I felt would last but a few years, turned into a career with a lot of changes along the way.

In looking back, I sometimes miss all the old vacuum tube circuits. My first love for years centered around quadruplex and helical

scan videotape recorders (see the sidebar). Frequency dividers and Lissajous patterns are now a distant memory. But it was good to see this technology fade into the sunset with newer solid-state equipment and the move to color television and digital technology. Along the way, I enjoyed quadruplex and helical scan VTRs, Grass Valley production switchers, Datatron and Grass Valley on-line editing suites, and a menagerie of color cameras made by Hitachi, JVC, RCA, Ikegami, Sony and Norelco, plus Scientific Atlanta Uplinks, microwave equipment and the marvel of fiber optic transmission. It was exciting to squirt over a million watts ERP of power at a geostationary satellite 22,300 miles in orbit with the Uplink. I would some times fantasize about "maybe" using this giant dish to bounce a signal off the Moon – but it never happened.

After almost 35 years, I retired in December of 1999 – and now I have more time to spend with ham radio. The Communicators and Sixers were replaced by newer and better solid-state ICOM, TEN-TEC, Yaesu, Kenwood and similar transceivers. And, I might also add, astronomy did become my hobby. One door closed, but another opened up an exciting an enjoyable career for me. One could, perhaps say, it was the best of two worlds. ■

Early FM Broadcast Transmitters

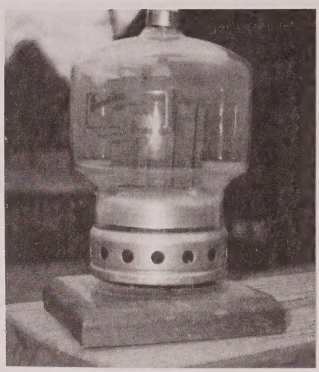
When I first went to work for WUOT-FM as a student at the University of Tennessee, their FM transmitter was an REL 10KW (Radio Engineering Laboratories) model operating on a frequency of 91.9 MHz. This monster of a transmitter was in two separate cabinets.

The final RF amplifier used four 4-1000A tubes in push-pull-parallel. I recall each filament operating at 7.5 volts at 21 amps. Some current! And the final plate voltage was about 5 kV with a total plate current of roughly 2 amps. The driver used a couple of 4-400As, along with an assortment of other vacuum tubes including the old "loctal base type." The power supply was separate and housed in a large cage using mercury vapor rectifier tubes. The multi-bay antenna mounted on the 283 foot tower used radiating elements similar to my six meter halo antenna mounted on the back of my vehicle.

Radio Engineering Laboratories was founded by Charles Srebroff back in the 1920s as a student. The company went on to manufacture kits, amateur radio gear, commercial broadcast transmitters and other equipment. One of their early ham transmitters was a model 139 using a tuned plate/tuned grid circuit producing about 7 watts of RF power. The REL 222 transmitter manufactured about 1930 was sold as a kit and operated on 80, 40 and 20 meters. The 75 watt RF power was great in those days. Before the six meter era, five meters (56-60 MHz) was the VHF band of choice. REL offered a model 297 for this band with a matching REL 296 receiver.

My ham radio experience in operating and neutralizing RF circuits helped a lot when working on the REL broadcast transmitter. One trick I quickly learned when neutralizing the four 4-1000A tubes was to note the slight red glow of the plates through the inspection window, with the building lights turned off. If all four tubes had an equal "glow," then they were close to being balanced. Not very scientific, but it was a good check !

The 4-400A tube pictured here was removed as defective many years ago, and I mounted it on a wooden base to use as a "paper weight" on my desk. By the way, back then it wasn't MHz--it was MCS. ■



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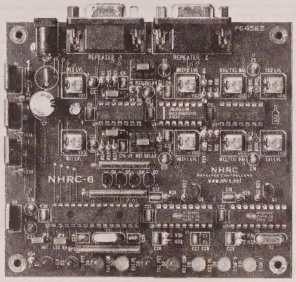
REPEATER CONTROLLERS



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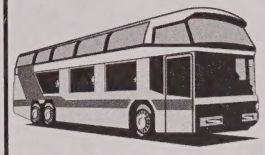

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Hillsville, VA	Exit #14 on I-77 (Wilco)	9:25 AM
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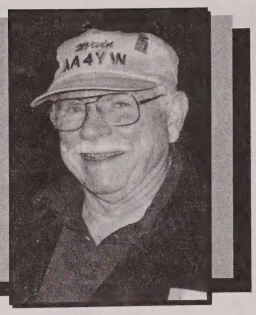

Getting Things Straight

The other day on the NC morning net (3.927 MHz) we were having trouble with QRM. Some fellows with big amps were camped out about 1 Kc above us making things generally difficult. Net control needed help with several checkins and complaints came regularly. After the net was closed I slipped up there to see what was important enough to disrupt the important business of passing traffic.

What I heard went something like this: "I will never, never in my life, if I live to be a hundred ... never in God's green world will I ever, no matter how hard I try, understand ..." It seemed like he took at least five minutes to establish appropriate emphasis before he got to his point: "...why anyone would, when hearing two people in a conversation, tune up on that frequency..."

This became his theme for the next 5 minutes or so with regular contributions from other members of the group. He, of course, convinced me that he really would never understand. The reason that he won't understand it is that the things that are important in his world, the only world he knows, don't allow it. You and I might agree that irresponsible tuning-up is impolite and regrettable behavior, but we might imagine several extenuations, including not hearing a station, that could apply. These do not exist in his world.

Each of us lives in his own world. (Where else would you live.) And everyone believes that his world is the only real world and if other people can't see it, they must be blind or something. We surround ourselves with colleagues who mostly share our values and live in worlds similar to our own and can support our notions. Amateur radio is a heterogeneous mélange within which there are many different worlds, some of which overlap, some of which are compatible and some of which clash.

There is the world of DX where the DXCC certificate is the ultimate. Those who have complied with the arbitrary ARRL rules and attained appropriate verification of sufficient QSOs with countries (or such) designated by ARRL stand taller than others in Amateur Radio. The techniques for this have evolved over the decades and now largely require fighting your way through pile-ups to gain the attention of the "DX station" who will respond with "599 - 73" to hundreds each hour. Those who miss the distinction of this and think the procedure just involves being more rude than everybody else obviously don't understand.

In some worlds the contest is the thing. A substantial fraction of *QST* magazine is devoted to contests, so it must be very important. Those who reside in this world lament that so many hams don't realize that the rules of courtesy, particularly those dealing with interference, are put aside during a contest. And the grandfather of contests is Field Day, the rules for which take a couple of pages of very fine print in QST. They break things into categories and classes, and give large blocks of points to a variety of things, many of which involve no electromagnetic radiation at all. Every club that participates designates a member whose function/job it is to understand the rules; a generally unpopular post.

I spend a lot of time in the world of the National Traffic System where we have some rigid ideas about what is important. We know exactly how a message should be read and what format it must follow. We know exactly how traffic nets must be conducted, from the preamble to the order in which participants are allowed to check in. Mostly we know how very important the NTS is and how, when major catastrophe occurs, we will duck into a handy phone booth and emerge in tights and flowing cape to ascend to the sky and save the world. There are periodic, well planned simulated emergencies where we send messages to each other and demonstrate our capabilities to ourselves. We don't understand how anyone could not understand the importance of these things.

It all centers around traffic. A section traffic net (at the state level) generally handles several hundred messages each month; not as many as the telephone messages a typical individual receives, but a significant number. They vary somewhat in importance. There are about a dozen (maybe less) hams whose hobby is using the various available data bases to generate radiograms by computer. Sometimes they use the Internet to distribute them to ham bulletin boards. These may congratulate you on renewing your license, or remind you to renew it, or invite you to check into an NTS net. Those of us who handle traffic keep lists of "standard texts" of these messages to save time. These "spamograms" differ from e-mail spam in that the recipients usually receive them in good grace, often expressing surprise that NTS messages are still around. Only rarely is the recipient disturbed enough to say something nasty to the deliverer.

There are thousands of these messages generated and handled each month and it seemed like they comprised the bulk of our traffic - so I took a little data. It turned out that in my sample less than half our traffic was spamograms, only about 49%. But many of these required a response by the delivering station (HXC), which messages accounted for an additional 15% of the traffic. Then in the operation of the NTS there are a lot of reports: station activity reports, net reports, public service reports, etc., where NTS is essentially talking to itself. These messages accounted for about 21% of the total traffic. This leaves about 15%, or maybe one message in six, of other types. Among these we find "Merry Christmas" and "Happy Valentines Day" and "Happy Birthday," etc., some of which, I suspect, may also have been computer generated. Every once in a while we get a message with some real information content, and that is refreshing.

Now, I know that my sample was over a limited time and that the relative volume of the components of the traffic load changes a lot as the seasons roll by, but I think it paints a fair picture. So, you are either a participant of the NTS and realize that this supports the need and importance of the activity or you are not and may raise an eyebrow. Well, under your arched eyebrow you must at least admit that it is more important than contesting or DX. It sure beats the devil out of wasting time watching pro football, and it is far superior in utility to golf.

Everyone in my world knows the importance of handling traffic, and if you can't understand it, well, Buddy, you got a problem. ■

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Get the Hammer

And let's get technical

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Antenna, Duplexer and Money

Greetings in this new year! I hope everyone is having a great winter season. Winter is the time for me to get into projects and to spend a few hours at the workbench. Some of my projects include home made duplexers for six meters, model railroad layout, and learning about Microchip Microcontrollers. Another project that started last fall, will be completed by press time, is to design a communications network for the Carroll County EMS.

The topic of antennas have been covered many times by HAMS, but some specific issues may help you improve your repeater and solve some coverage problems. The question for discussion is: *What antenna should I use on my repeater?*

First of all, lets assume a 2 meter machine. My first approach is: where are you? If you are here in south west Virginia, and the repeater site is on a mountain, I would recommend a fiberglass radome antenna, such as a "Super Station Master" type. If you're on top of a building in Charlotte NC, I would recommend a Dipole array like a DB224.

Both antennas are great products, but why do I pick these? The reason is gain versus vertical beamwidth.

What? OK, in real world terms: verticil radiation from a ¼ wave is in theory a circle. A ⅝ wave gain antenna vertical radiation is in theory a oval. Vertical beamwidth is a measured point, where the signal is lower by -3dB (half) from the maximum, and related to degrees from a side axis. Straight out from the side of the antenna would be 0 degrees. Straight down from the antenna would be 90 degrees.

This means the higher the degree reading, the more power is radiated down toward earth. Why do you want that? In mountainous terrain, you pick the high places (sometimes 1000 ft. or more above average terrain), and need that downward radiation to "fill in" the valleys. But in flat land, the downward radiation is not an advantage since your elevation above ground is normally less than 500 feet.

There are models of the fiberglass radome that now have 6 dB gain and good radiation patterns. My experience is the radome helps in high ice environments too, but in flat terrain, the dipole array is a standard antenna. You give up some gain with the fiberglass, but most locations, you will not miss the 1 or 2 dB, but you will notice the valleys are filled in. Many people commonly call the low angle radiation downtilt.

The Carroll County system was designed using a 4.5 dB gain, 22 degree fiberglass collinear. This one was selected to provide higher gain and good downtilt to saturate the rolling hills of the area. There is more than just gain in a good repeater antenna.

DUPLEXERS

I've had several people e-mail questions about duplexers. To start with, a duplexer is a special type of RF filter that allows the transmitter and receiver to share a single antenna. The filter for the transmitter passes the frequency for transmit, and rejects the receive frequency. The receiver filter passes the receive frequency and rejects the transmit frequency. When enough rejection, measured in dB, is obtained, the signals operate normally, using the same antenna. If the filters do not provide enough separation, or get out of tune, the result is desense. This is worse in close spaced systems like 2 meters, where there is only 600 kHz separation.

Desense is the common term used for a transmitter feeding back into the receiver, causing poor receive, garbled signals, or a very distinctive "ack ack" sound hanging the repeater or cycling it continuously. UHF is more orderly with a 5 MHz split, making separation easier.

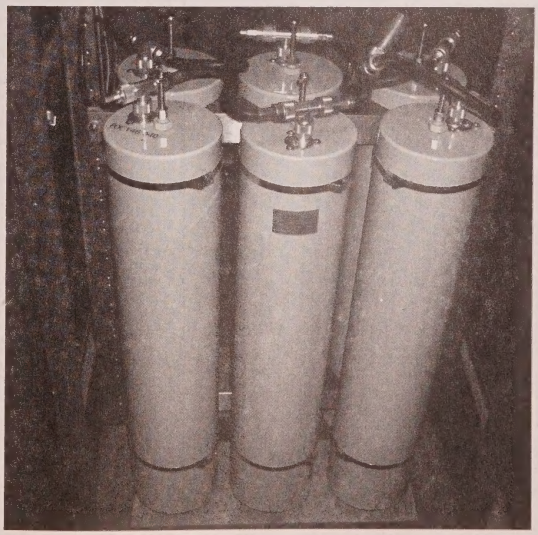
Most good duplexers will give about 80 dB of separation when properly tuned. My home made version is only 45 dB, not nearly enough yet, but its a work in progress. Before duplexers, many repeaters used split antennas. Some even still operate this way to cure noise or location issues. There are also some designs of ring duplexers, using resonate coaxial cable lengths to create the filters. Hopefully I can share my success story for the six-meter duplexers later.

Tuning duplexers can be complicated, but simple in theory. I am spoiled by having access to a tracking generator at work, it is just a matter of entering the frequency and adjusting the tuning stubs by watching a spectrum display. Without one, some use a weak signal and a receiver, and tune for best signal. This can be done, but often results in tuning on a lobe. Ask around, someone can assist in the tuning. Better safe than sorry by burning up a PA or receiver preamp!

As a repeater operator, my time and money are very valuable, so I hope I can help you along the way with good advice and hints about radio and repeaters. Money is like spare time: I like a lot of it, but it just is always in short supply!

I always enjoy getting e-mail from you, so please, drop me a line! I will try to answer all, and maybe use some of the ideas, questions or comments in future articles. Writing an article is very enjoyable, and I hope you gather some information and a few chuckles along the way! Remember that a five pound sledge hammer IS considered a precision alignment tool!

See ya next time.....if all else fails, use a bigger hammer! ■



Typical "6-can" two-meter duplexer that allows a repeater transmitter and receiver to operate on the same antenna. Use the PL-259 coax connectors at the top for scale.

THE SERA OFFICIAL REPEATER INDEX

REPEATER LISTINGS FOR: GEORGIA ■ KENTUCKY ■ MISSISSIPPI ■ NORTH CAROLINA ■ SOUTH CAROLINA ■ TENNESSEE ■ VIRGINIA ■ WEST VIRGINIA

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Entries with "#" in front of city indicates repeaters added to this index that have not been coordinated through the local SERA state coordinator. Owners may work with their coordinator to get this indicator removed. Repeaters that have been coordinated but may not yet be on the air yet are listed with "PROP" in the codes column. Owners should notify SERA when on the air.

Repeater owners are reminded to contact their local Frequency Coordinator for assistance in coordination, changes in their listings, or any other requirements. All SERA services are FREE. It is very important that the annual SERA repeater datasheet, sent to all known repeater operators, be accurately updated each year and returned to SERA.

SERA RECOMMENDED FM VOICE SIMPLEX

10 Meters:	29.600#						
6 Meters:	52.490	52.525#					
2 Meters:	146.400*	146.415*	146.430*	146.445*	146.460*	146.475*	146.490*
	146.505*	146.520#	146.535	146.550	146.565	146.580	146.595
	147.405*	147.420*	147.435*	147.450*	147.465*	147.480*	147.495*
	147.510	147.525	147.540	147.555	147.570	147.585	
222 MHz	223.400	223.420	223.440	223.460	223.480	223.500#	223.520
	223.540	223.560	223.580	223.600	223.620	223.640	
440 MHz	445.825	445.875	445.900	445.925	445.950	445.975	446.000#
	446.025	446.050	446.075	446.100	446.125	445.150 (Not all listed)	

* Permitted for Voice Simplex use unless operation would cause interference to repeater inputs. Be aware that SERA coordinates some of these frequencies as repeater inputs in some areas.
# - Designated National Simplex Frequencies.

SERA RECOMMENDED DIGITAL SIMPLEX CHANNELS

2 Meters:	144.390#	144.910	144.930	144.950	144.970	144.990	145.010
	145.030	145.050	145.070	145.090	145.510	145.530	145.550
	145.570	145.590	145.610	145.630	145.650	145.670	145.690
	145.710	145.730	145.750	145.770			
222 MHz.	223.660	223.680	223.700	223.720	223.740	223.760	223.780
	Hi Speed Digital Chan. - 222.350 to 222.450 (222.400 Center) - (100 KHz wide)						
	Hi Speed Digital Chan. - 223.800 to 223.900 (223.850 Center) - (100 KHz wide)						
440 MHz	440.9125	440.9250	440.9375	440.9500	440.9675	440.9750	440.9875
	441.0000	441.0125	441.0375	441.0500	441.0625	441.0750	441.0875
	441.1000	441.1125	441.1375	441.1500	441.1625	441.1750	

NOTE: Digital operators are reminded to check with their local Digital organizations as to which channels are available for various digital usage in their particular area. Some channels are for exclusive use of LAN or BBS, etc. usage. #144.39 Generally Accepted APRS channel

SERA JOURNAL REPEATER LISTINGS BY STATE - BY CITY

Listings Correct as of January 19, 2004

PLEASE NOTE: CTCSS Tone Frequencies are listed for repeaters only if the repeater sponsors request they be listed. Tone access listing does not indicate a closed repeater.

GEORGIA

10 METERS

CONYERS	AI8H	29.680	-		
DALTON	N4BZJ	29.680	-		
#MACON	KF4XH	29.620	-	UNCOR	
MONROE	KQ4XL	29.620	-		
VALDOSTA	KB0Y	29.680	-	T141.3	☺
WARNER ROBINS	WR4MG	29.660	-		

6 METERS

ATL/MARIETTA	KD4DKW	53.090	-	T151.4	☺
ATLANTA	KA5WZY	53.150	-		
AUGUSTA	W4WTA	53.030	-		☺
BISKEY MT.	KC4JNN	53.050	-	T100.0	☺
CARTERSVILLE	WB4AEG	53.070	-	T123.0	☺
COCHRAN	W3LAP	53.010	-	PROP	
#CONYERS	WB4JEH	51.550	+	UNCOR	
CONYERS	WB4JEH	53.550	-	T151.4	
CRAWFORD	KD4FVI	53.330	-	T88.5	
#CUMMING	WA4YNZ	51.700	-	UNCOR	
DALTON	N4BZJ	53.130	-		
HIAWASSEE	KC4CBQ	53.270	-	186.2	
KINGSLAND	KC5BMJ	51.940	-	T82.5	☺
LAKE PARK	KB0Y	53.890	-	T141.3	☺
LAWRENCEVILLE	W4GR	53.110	-	82.5	
LULA	WB4HJG	53.890	-	T82.5	☺
#MACON	KF4XH	53.390	-	UNCOR	
#MACON	KR4OL	53.430	-	UNCOR	
MARIETTA	N1KDO	53.210	-	T79.7	☺
MARIETTA	KF4BMG	53.250	-	T79.7	
MCINTYRE	KF4CXL	53.730	-	T77.0	☺
#PINE LOG MT	WD4OVN	53.450	-	UNCOR	☺
#PINE LOG MT.	K4PLM	53.290	-	UNCOR	
#ROSWELL	WA4YNZ	53.010	-	UNCOR	
SUMMERVILLE	KK4MC	53.750	-	PROP	
THOMASVILLE	KI4AWK	51.740	-	PROP	
WARM SPRINGS	KD4BDB	53.230	-	PROP	
WARNER ROBINS	WR4MG	53.790	-		
WATKINSVILLE	KD4AOZ	53.570	-	T123.0	☺

2 METERS

ADAIRSVILLE	K4NGA	146.685	-	167.9	☺
ALBANY	W4MM	146.700	-		☺
ALBANY	W4MM	146.730	-		☺
ALBANY	W4MM	146.820	-	T141.3	☺
ALLENHURST	KF4ZUR	147.270	+	162.2	
AMERICUS	W4VIR	147.270	+	T141.3	☺
ASHBURN/TIFTON	W4PVW	147.285	+	T141.3	☺
ATHENS	KD4QHB	146.745	-		☺
ATHENS	KD4AOZ	146.955	-	T123.0	☺
ATHENS/CRAWFRD	K4TQU	147.375	+	127.3	☺
ATL/UNION CITY	W4ZT	146.625	-	100.0	
ATLANTA	W4IBM	145.290	-	T88.5	☺
ATLANTA	W4DOC	145.350	-	T146.2	☺
ATLANTA	K4LCI	145.430	-		
#ATLANTA	WB4QGR	146.640	-	UNCOR	
ATLANTA	W4DOC	146.820	+	T146.2	☺
ATLANTA	K4CLJ	146.970	-	T	
ATLANTA	WA4NNO	147.000	-		
ATLANTA	WB6RTH	147.105	+	107.2	☺
ATLANTA	KA5WZY	147.285	+		
ATLANTA/AIRPORT	W4REI	147.030	+		
ATLANTA/BELL	W4PME	145.410	-	100.0	☺
ATLANTA/MARIETTA	N4NFP	146.655	-	T151.4	☺
ATLANTA/MARIETTA	N4NEQ	147.345	+	151.4	☺
ATLANTA/SWEAT MT	KD4NC	146.730	-		
AUGUSTA	KK4HL	145.110	-		
AUGUSTA	W4DV	145.290	-	T100.0	☺
AUGUSTA	AA4UA	145.370	-		
AUGUSTA	K4KNS	145.410	-		☺
AUGUSTA	W4DV	145.490	-		☺
AUGUSTA	KT4N	146.940	-		
AUGUSTA	K4KNS	146.985	-	100.0	☺
AUGUSTA	N4BMA	147.180	+		
#AUSTELL	K4JPD	147.195	+	UNCOR	
BACONTON	K4TWG	145.150	-	PROP	
BAINBRIDGE	KE4RWR	147.090	+	PROP	
BALDWIN	WD4NHW	147.180	+		☺
BARNESVILLE	W8JI	147.225	+		
#BLACK ROCK MT	KE4SNT	147.390	+	UNCOR	
BLAIRSVILLE	KE4RQT	146.955	-	T100.0	
BOGART	W4EEE	147.000	+	T	
BONAIRE	KD4HMH	145.470	-	T	
BONAIRE	K4EDN	147.015	+	T82.5	☺
BOSTON	W4UCJ	147.195	+		
BRUNSWICK	K4TVE	146.730	-		
CALHOUN	K4WOC	146.745	-	T100.0	☺
CARROLLTON	W4FWD	146.640	-	T131.8	☺
CEDARTOWN	W4CMA	147.120	+		☺
CHATSWORTH	N4YYD	145.250	-	T71.9	
CLARKESVILLE	K4HCA	147.120	+		☺
CLAXTON	W4CLA	147.075	+		
CLEVELAND	WB4HIG	146.910	-		☺
COCHRAN	N4MXC	145.110	-	T107.2	
COCHRAN	W3LAP	147.330	+	T77.0	
COLBERT	N4ALE	147.300	+	123.0	☺
COLUMBUS	W4FIZ	145.310	-	T123.0	☺
COLUMBUS	W4CVY	146.610	-	T	☺
COLUMBUS	W4CVY	146.880	-		☺
COMMERCE	NE4GA	147.225	+	T123.0	
CONYERS	WB4JEH	145.230	-	T151.4	
CONYERS	WB4JEH	146.610	-	T151.4	
CONYERS	KF4GHF	147.210	+	T162.2	☺
CORDELE	KA4WUJ	145.490	-	T103.5	☺
COVINGTON	WA4ASI	146.925	-		
COVINGTON	KF4GHF	147.270	+	T162.2	☺
CUMMING	WB4GQX	147.150	+		☺
DAHLONEGA	N4KHQ	146.835	+	T100.0	☺
DALLAS	WD4LUQ	146.895	+	T77.0	☺
DALTON	W4DRC	145.230	-		
DALTON	N4BZJ	147.135	+	T118.8	
DARIEN	WA4EPK	146.685	-		
DECATUR	W4BOC	145.450	-		
DOERUN	KG4ABK	147.225	+	PROP	
DOUGLAS	KE4ZRT	147.045	+	141.3	☺
DOUGLAS	KE4ZRT	147.165	+	T141.3	☺
DOUGLAS	AD4EQ	147.315	+	T141.3	☺
DOUGLASVILLE	KR4HV	145.110	-	T88.5	☺
DOUGLASVILLE	W4SCR	147.360	+	T88.5	☺
DUBLIN	WA4HZX	147.360	+		
EASTMAN	KC4RRO	145.210	-		
EASTMAN	KF4ODQ	145.330	-	T77.0	
EATONTON	KC4YHM	147.090	+	T179.9	
ELBERTON	N4UJT	146.625	-		
ELLIJAY/TALONA M	KC4ZGN	146.985	-	T77.0	
EMERSON	AE4JO	147.240	+	T103.5	☺
FAYETTEVILLE	WA4EPK	145.210	-	131.8	
FAYETTEVILLE	K4KZY	146.685	-		
FOLKSTON	KD4GEY	146.790	-		☺
FORSYTH	W4STJ	147.315	+	88.5	
GA TECH	W4AQL	145.150	-	167.9	
GAINESVILLE	W4CBA	145.190	-	PROP	☺
GAINESVILLE	W4ABP	146.670	-	T131.8	☺
GRIFFIN/CENAR	K4HYB	145.390	-	T88.5	☺
GRIFFIN/CENAR	K4HYB	146.910	-		☺
HARTWELL	N4VNI	146.895	-	T100.0	
HAWKINSVILLE	WR4MG	146.895	-	T107.2	
HINESVILLE	KG4OGC	147.015	+		
IRWINTON	WB4NFG	147.240	+	T77.0	
JASPER	KB4IZF	145.370	-	T100.0	☺
JASPER	K4UFO	146.700	-		☺
JASPER	KC4AQS	146.805	+	T100.0	
JESUP	WA4EQL	145.190	-		☺
JESUP	WA9RNZ	145.430	-	T118.8	☺
JESUP	N4ZON	146.865	-	T123.0	☺
#JESUP	N4PJR	146.925	-	UNCOR	☺

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

GEORGIA REPEATERS CONTINUE

JESUP/SCREVEN	N4PJR	147.345	+	141.3	☺
JONESBORO	WA4DIW	145.170	-		☺
JONESBORO	WA4OGE	145.330	-		
KIBBEE	K4HVK	146.820	-	T	☺
KINGSLAND	KC4WWU	147.285	+	T118.8	☺
LAFAYETTE	KB4VAK	147.375	+	T77.0	
LAGRANGE	KD4BWK	146.700	-	T141.3	
LAGRANGE	WB4BXO	147.330	+		
LAKE PARK	WR4SG	147.135	+	T141.3	☺
LAVONIA	K4NVG	146.715	-	T100.0	☺
LAWRENCEVILLE	W4GR	147.075	+	82.5	
#LINCOLNTON	KT4N	147.120	+	UNCOR	
LOOKOUT MT	W4GTA	145.350	-	T100.0	☺
LOOKOUT MT.	W4RRG	146.760	-	T67.0	☺
MACON	W4BKM	145.370	-	T88.5	☺
MACON	AA4RI	145.430	-		☺
MACON	WR4DH	146.730	-	T100.0	☺
MACON	K4PDQ	146.805	-	T77.0	☺
MACON	WA4DDI	147.060	+	T	☺
#MACON	KF4XH	147.165	+	UNCOR	
MADISON	WB4DKY	146.865	-	T179.9	☺
MADRAS	N4OME	147.165	+	T131.8	☺
MARIETTA	W4LMA	145.490	-	88.5	
MARIETTA	N4NEQ	146.775	-	T151.4	☺
MARIETTA/ATLANTA	W4BTI	146.880	-	T100.0	☺
MCINTYRE	KF4CXL	145.150	-	T77.0	☺
MCINTYRE	KF4CXL	145.250	-	T136.5	☺
MILLEDGEVILLE	WB4DOJ	146.700	-	T67.0	☺
MILLEDGEVILLE	KE4UWJ	147.135	+	T123.0	☺
MORGANTON	N4NEQ	147.165	+	T151.4	☺
MOULTRIE	WD4KOW	146.790	-		☺
NASHVILLE	KB4JF	145.310	-	T141.3	
NEWNAN	K4SEX	145.130	-	156.7	☺
NEWNAN	K4SEX	146.790	-		☺
OCILLA	KD4MFS	145.350	-		☺
PEMBROKE	KF4DG	147.105	+		
PEMBROKE	W4CJB	147.390	+		
PERRY	WR4MG	145.290	-	T107.2	
PERRY	WR4MG	146.955	-	107.2	
PINE MT/HAMILTON	WB4ULJ	145.190	-		
QUITMAN	WA4NKL	146.880	-		☺
RICEBORO	KG4OGC	145.470	-		
RINGGOLD	W4ABZ	146.715	-	T67.0	
ROME	WB4YSV	147.300	+		
ROME/MT. ALTO	W4VO	146.940	-	88.5	
ROSWELL	N4CLA	147.060	+		
SANDERSVILLE	KT4X	145.270	-	T77.0	☺
SAVANNAH	K4NLX	146.700	-	T100	
SAVANNAH	K4SDJ	146.850	-		
SAVANNAH	W4HBB	146.880	-		☺
SAVANNAH	W4HBB	146.970	-		☺
SAVANNAH	WA4IDS	147.150	+		
SAVANNAH	K4NLX	147.210	+		
SAVANNAH	K4NLX	147.330	+		
SNELLVILLE	KR4NQ	147.255	+	T107.2	☺
SPRINGFIELD	AF4VH	146.745	-	PROP	
ST SIMONS ISLAND	N4XGI	145.330	-	T131.8	☺
STOCKBRIDGE	WA4JDR	145.310	-		☺
STONE MT	W4BOC	146.760	-	T107.2	
SUMMERVILLE	W4RLP	147.225	+	100.0	☺
SWAINSBORO	K4VYX	146.790	-		
SWEAT MT/MARIETT	N4CLA	145.470	-		
THOMASTON	W4OHH	147.390	+	131.8	☺
THOMASVILLE	W4UCJ	147.060	+		
#THOMSON	KC4GSS	146.835	-	UNCOR	☺
TOCCOA	N4MTN	147.330	+	PROP	☺
UNADILLA	WR4MG	146.760	-	T107.2	
VALDOSTA	WR4SG	145.130	-	T141.3	☺
VALDOSTA	KF4BJM	146.760	-	141.3	
VIDALIA	K4HAO	146.625	-		☺
WALESKA/PNLG MT	K4AIS	145.270	-	T100.0	☺
WALESKA/PNLG MTN	K4AIS	147.015	-	T100.0	☺
WARM SPRINGS	KN4FE	146.985	-		
WARNER ROBINS	WA4ORT	146.850	-		☺
WARNER ROBINS	WB4BDP	147.180	+	107.2	☺
WARNER ROBINS	WR4MG	147.300	+	107.2	
WATKINSVILLE	KD4AOZ	147.045	+	T123.0	☺
WAYCROSS	AE4PO	146.640	-	T141.3	☺
WAYCROSS	AE4PO	147.255	+	T141.3	☺
WAYNESBORO	K4BR	145.230	-		
WRENS	KB4NA	146.775	-		
WRIGHTSVILLE	WA4RVB	146.940	-		☺
YOUNG HARRIS	K2YRW	147.090	+		☺

220 MHZ

ACWORTH/ATL	N4MTA	224.320	-	T123.0	☺
ACWORTH/ATL	N4MTA	224.500	-	T123.0	☺
ALPHARETTA	NX9O	224.580	-	100.0	
ALPHARETTA	KC4JNN	224.860	-	T100.0	☺
ATLANTA	W4DOC	224.340	-	T146.2	☺
ATLANTA	KK4C	224.820	-	T77.0	
#ATLANTA-NE	KC4OVY	224.200	-	UNCOR	
ATLANTA/BELL	W4PME	224.620	-	100.0	☺
ATLANTA/MARIETTA	N4NFP	224.120	-	T151.4	☺
ATLANTA/MARIETTA	N4NEQ	224.440	-	T151.4	☺
ATLANTA/MARIETTA	K4RFL	224.960	-	T100.0	☺
AUGUSTA	WB4KXO	224.940	-		
BISKEY MTN	KC4JNN	224.160	-	T100.0	☺
CEDARTOWN	KC4KLW	224.780	-	T179.9	☺
CLAYTON	W4UWH	224.720	-	PROP	
CONLEY	N4MNA	224.280	-		
#CONYERS	WB4JEH	224.020	-	UNCOR	
CUMMING	K4JSR	224.980	-		
DAHLONEGA	N4RBT	224.380	-	T100.0	☺
DALLAS	N4YDX	224.180	-		
DALLAS	N4YEA	224.540	-		☺
DALLAS	W4TIY	224.700	-		☺
DALTON	N4BZJ	224.360	-	T	
DALTON	N4BZJ	224.460	-	T118.8	
DALTON	N4BZJ	224.680	-		
DALTON	N4KVC	224.740	-	T	
#DECATUR	W4BOC	224.760	-	UNCOR	
EATONTON	K4SWS	224.100	-	PROP	
FT MT/CHATSWTH	N4YYD	224.240	-	T71.9	
GAINESVILLE	W4TL	224.840	-	T203.5	☺
HAWKINSVILLE	WR4MG	224.820	-	PROP	
JASPER	KC4AQS	224.400	-	T100.0	
JASPER	W4UWH	224.600	-	100.0	
LOOKOUT MT	W4RRG	224.560	-	T	☺
LOOKOUT MT.	W4RRG	224.640	-		☺
MARIETTA	KE4QFG	224.260	-	T110.9	☺
MARIETTA	W4LMA	224.900	-		
PINE LOG MTN	K4AIS	224.520	-		☺
RAY CITY	KB0Y	224.220	-	141.3	☺
SNELLVILLE	W4CSX	224.920	-	T100.0	
VALDOSTA	KB0Y	224.460	-	T141.3	☺
VILLA RICA	KB4TIW	224.300	-	T131.8	☺
WALESKA	KD4ALC	224.140	-		
WALESKA/PNLG	K4AIS	224.940	-		☺
WARNER ROBINS	WR4MG	224.840	-		
WATKINSVILLE	KD4AOZ	224.420	-	T123.0	☺
YORKVILLE	WD4LUQ	224.880	-	T77.0	☺
YOUNG HARRIS	NP2Y	224.660	-	PROP	

440 MHZ

ACWORTH	KC4YNF	441.800	+	T77.0	
ALBANY	W4MM	444.500	+		☺
ALPHARETTA	WB6RTH	442.000	+	107.2	☺
ATHENS	AA4AI	442.950	+	T179.9	☺
ATHENS	WW4GA	443.300	+	T	☺
ATHENS/CRAWFORD	KC4GZX	444.300	+	T127.3	
ATL/MARIETTA	N4NFP	442.800	+	T	☺
ATL/UNION CITY	W4ZT	442.125	+	T100.0	
ATLANTA	W4CML	442.025	+	T127.3	
#ATLANTA	WB6RTH	442.225	+	UNCOR	☺
ATLANTA	N4XQM	442.525	+	T110.9	☺
ATLANTA	KE4PVE	442.675	+	T100.0	
ATLANTA	WA4YNZ	442.975	+	T	
ATLANTA	W4CML	443.025	+	T127.3	
ATLANTA	KA5WZY	443.600	+	T146.7	
ATLANTA	W4CML	443.650	+	PROP	
ATLANTA	KD4LXT	443.875	+		
ATLANTA	W4DOC	444.450	+	T146.2	☺
ATLANTA	KD4GPI	444.500	+	T110.9	☺
ATLANTA	W4DOC	444.825	+	T146.2	☺
ATLANTA	WA4NNO	444.925	+		
ATLANTA	WA4YNZ	444.975	+	T	
ATLANTA/BELL	W4ZTL	421.250	+		☺
ATLANTA/BELL	W4PME	444.150	+	T100.0	☺
ATLANTA/GLENRI	WR4CW	444.100	+	PROP	☺
ATLANTA/MARIETTA	K4RFL	442.875	+	T100.0	☺
ATLANTA/MARIETTA	N4NFP	443.800	+	T151.4	☺
ATLANTA/MARIETTA	N4NEQ	444.050	+	T151.4	☺
ATLANTA/MARIETTA	N4NEQ	444.775	+	151.4	☺
AUGUSTA	KD4BOO	444.900	+		☺
BALDWIN	WD4NHW	442.350	+		☺
BARNESVILLE	N4GWO	443.675	+		
BISKEY MTN	KC4JNN	443.250	+	T100.0	☺
BLAIRSVILLE	KF4SKT	442.200	+		
BLUERIDGE	KD4GRU	442.125	+	146.2	
BOGART	W4EEE	443.475	+	T	☺
BONAIRE	K4EDN	444.625	+	T82.5	
BRUNSWICK	KD4CPO	443.425	+		
BRUNSWICK	K4TVE	444.975	+		
BYRON	KF4XH	443.150	+		
BYRON	WB4SBT	444.700	+	T103.5	☺
CALHOUN	K4WOC	443.675	+	T100.0	
CANTON	WA4EOC	443.075	+	PROP	
CARROLLTON	W4FWD	444.075	+	T131.8	☺
CARTERSVILLE	K4AIS	443.175	+	T100.0	☺
CEDARTOWN	KD4NTF	443.575	+	T107.2	☺
CHATSWORTH	W4DRC	443.000	+		
CLAYTON	W1CP	442.825	+	T162.2	☺
CLERMONT	W4TL	444.950	+	T131.8	☺
CLEVELAND	K4VJM	442.625	+	T100.0	
COBB COUNTY	WC4RAV	443.450	+	T103.7	
COCHRAN	W3LAP	442.875	+	T77.0	
COCHRAN	N4MXC	444.775	+	PROP	
COCHRAN	W3LAP	444.975	+	77.0	
COLLEGE PARK	KG4PTO	442.350	+	OT	☺
COLUMBUS	WB4ULK	441.975	+	PROP	
COMMERCE	NE4GA	441.975	+	T123.0	
CONCORD	WB4GWA	443.400	+	118.8	
CONYERS	WB4JEH	442.550	+	T151.4	
CONYERS	KB2DZA	443.725	+	T77.0	
CONYERS	WB4JEH	444.550	+	T151.4	
CONYERS	KC4ELV	444.750	+	T162.2	☺
CORNELIA	K4JLG	444.275	+	T100.0	☺
COVINGTON	K4GO	443.750	+	T146.2	
COVINGTON	KE4PVE	444.175	+	T100.0	
COVINGTON	WA4ASI	444.800	+	T88.5	
CUMMING	WB4GQX	441.900	+	T141.3	☺
CUMMING	WA4BPY	442.575	+	T79.9	☺
CUMMING	W4CBA	444.625	+	T123.0	☺
#CUMMING	WA4YNZ	444.975	+	UNCOR	
DACULA	KK4IN	443.550	+		
DAHLONEGA	N4KHQ	443.100	+	100	☺
DAHLONEGA	N4BBQ	444.900	+	T100.0	☺
DALLAS	W4CSX	441.925	+	T162.2	
DALLAS	W3PS	443.300	+	PROP	☺
DALLAS	WB4QOJ	443.475	+	PROP	
DALLAS	W4TIY	443.700	+		☺
DALLAS	WD4LUQ	444.700	+	T77.0	☺
DALTON	N4BZJ	442.175	+	T118.8	
DALTON	N4BZJ	444.500	+	T118.8	
DALTON	N4BZJ	444.850	+		
DANIELSVILLE	KE4FHN	442.650	+	T	
DECATUR	N3APR	442.200	+		
DECATUR	KA4UFM	443.950	+	T110.9	☺
DECATUR	W4BOC	444.250	+		
DEVEREUX	KC4YAP	444.575	+	PROP	☺
DOUGLAS	KE4ZRT	443.000	+	T141.3	☺
DOUGLASVILLE	W4SCR	444.575	+	T88.5	☺
DUBLIN	KD4FOC	442.600	+	T77.0	☺
DULUTH	W2SJB	442.400	+	PROP	
EATONTON	K4SWS	442.425	+	PROP	
ELLIJAY	KC4ZGN	442.700	+	T77.0	
EMERSON	AE4JO	443.425	+	T103.5	☺
FAYETTEVILLE	W4PSZ	444.600	+	T77.0	
FLOWERY BRANCH	K4RHJ	443.900	+	T131.8	☺
FOLKSTON	KD4GEY	444.475	+		☺
FT. MT/CHATSWTH	N4YYD	443.350	+	T71.9	
#GAINESVILLE	WA4DB	444.200	+	UNCOR	☺
GAINESVILLE	W4CBA	444.350	+	PROP	☺
GRAY	K4MDS	443.625	+		
GRAY	K4DDH	444.275	+	T100.0	
GREENSBORO	N4YXL	444.850	+	PROP	
GRIFFIN	KF4QLF	441.850	+		☺
GRIFFIN	KE4WLP	443.550	+		☺
HAMILTON	WB4ULJ	444.400	+		
HAPEVILLE	KC4ENL	442.825	+	T167.9	
HELEN	K4PE	444.425	+	T127.3	
HIAWASSEE	KC4CBQ	444.675	+	186.2	
HIGH PT/LOOKT MT	KB4VAK	443.450	+	T77.0	
HINESVILLE	KG4OGC	444.850	+	PROP	
HOGANSVILLE	KC4YNY	444.300	+	PROP	
IRWINTON	WB4NFG	444.925	+	T77.0	
JASPER	N3DAB	442.750	+	T141.3	☺
JASPER	KC4AQS	443.375	+	T100.0	
JASPER	KB4MDE	443.425	+		
JASPER	KF4OYP	443.625	+	T100.0	
JASPER	KB4IZF	444.375	+	T103.5	☺
JESUP	N4PJR	444.925	+	T141.3	☺
JONESBORO	WA4DIW	443.225	+		
KENNESAW	WK4E	442.425	+	PROP	☺
KINGSLAND	KC5BMJ	444.625	+	T118.8	☺
KINGSTON	AF4PX	444.125	+	T	
KNOXVILLE	N4PQR	443.525	+	PROP	
LAKEMONT	N4ZRF	444.750	+	T	
LAVONIA	K4NVG	442.475	+	T203.5	☺
LAWRENCEVILLE	WB4HJG	442.850	+	T82.5	☺
LAWRENCEVILLE	KF4RLZ	442.900	+	T123.0	☺
LAWRENCEVILLE	WB4QDX	444.000	+	T127.3	☺
LAWRENCEVILLE	W4CML	444.025	+	T127.3	
LITHIA SPRINGS	WB4RL	442.925	+	PROP	
LOOKOUT MT	W4RRG	442.650	+	T100.0	☺
LULA	WB4HJG	444.400	+	T71.9	☺
MABLETON	W4JLG	442.325	+	T	☺
MACON	AF4UL	442.000	+	PROP	
MACON	K4DDH	442.275	+	T100.0	☺
MACON	W4MAZ	442.700	+	PROP	
MACON	WX4EMA	443.075	+	T156.7	
MADRAS	K4HAC	442.250	+	T141.3	
MARIETTA	N1KDO	442.050	+	T107.2	☺
MARIETTA	KE4QFG	442.375	+	T	☺
MARIETTA	WA4OKJ	442.600	+	T100.0	
MARIETTA	N4MTA	443.500	+		☺
MARIETTA	KF4BMG	444.325	+	T79.7	
MARIETTA/ATL	KE4QFG	442.725	+	T	☺
MARLOW	W1MED	442.475	+	T114.8	☺
MCDONOUGH	KE4UAS	444.875	+	T82.5	☺
MCINTYRE	K4YC	443.200	+	T77.0	
MCINTYRE	KF4CXL	444.650	+	T77.0	☺
MONROE	KQ4XL	443.925	+	T123.0	
MOULTRIE	W1BPP	444.625	+	T123.0	☺
NEWNAN	K4NRC	441.875	+	T156.7	☺
NEWNAN	KE4PVE	444.350	+	PROP	
NORCROSS	K4HUM	442.100	+	T100.0	☺
PEACHTREE CITY	W4PSZ	442.500	+	T77.0	
PEMBROKE	AF4MI	441.800	+	T123.0	
PENDERGRASS	KE4PVE	444.125	+	PROP	
PERRY	WR4MG	444.950	+		
PINE LOG MT	KD4APP	443.200	+	T103.5	
QUITMAN	WA4NKL	444.600	+	T127.3	☺
REX	KB4NPO	443.975	+	PROP	

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

GEORGIA REPEATERS CONTINUE

RINGGOLD	KW4KW	442.300	+	PROP		
RINGGOLD	W4BAB	443.925	+			
ROCKMART	KC4KLW	443.275	+	T179.9	☺	
ROME	KA4MLK	441.825	+	T100.0	☺	
ROME	KC4KLW	443.525	+	T179.9	☺	
ROSSVILLE	W4RRG	442.475	+	T100.0		
ROSWELL	W8BLA	442.075	+	T		
#ROSWELL	WA4YNZ	442.975	+	UNCOR		
ROSWELL/BELL	W4PME	443.150	+	100.0	☺	
SANDY SPRINGS	KE4OKD	441.950	+	T156.7		
SAVANNAH	K4NLX	421.250	+			
SAVANNAH	WA4VHP	427.250	+	T		
SAVANNAH	K4NLX	442.700	+			
#SAVANNAH	WD4AFY	444.000	+	UNCOR		
SMYRNA	N4IBW	444.650	+			
SNELLVILLE	W4CML	442.450	+	T		
SNELLVILLE	NE1H	443.050	+	T		
SNELLVILLE	W4GR	444.525	+	82.5		
ST SIMONS ISLAND	N4XGI	442.950	+	T131.8	☺	
STATHAM	WW4T	442.300	+	T	☺	
STOCKBRIDGE	KG4PUW	443.125	+	PROP		
STOCKBRIDGE	N4JMD	443.325	+	T		
STONE MTN	KD4HPD	443.825	+	T123.0	☺	
SUGAR HILL	N4YF	443.775	+	T82.5	☺	
SUGAR VALLEY	K4WOC	441.850	+	PROP		
SUMMERVILLE	KS4QM	444.725	+	T123.0	☺	
SWEAT MT/MARIETT	N4CLA	444.475	+			
TIFTON	KE4RJI	444.875	+	T		
TYRONE/PTC	KN4YZ	444.675	+	T77.0	☺	
VALDOSTA	WR4SG	444.350	+	T141.3	☺	
VALDOSTA	KF4BJM	444.700	+	T141.3		
VIDALIA	KE4PMP	442.500	+	T88.5		
VILLA RICA	KB4TIW	442.775	+	PROP		
#WALESKA	KD4DXR	441.350	+	UNCOR		
#WALESKA	K4PLM	443.850	+	UNCOR		
WARM SPRINGS	N4UER	442.400	+			
WARNER ROBINS	WR4MG	442.900	+			
WATKINSVILLE	KD4AOZ	444.725	+	T123.0	☺	
WAYCROSS	AE4PO	444.025	+	T141.3	☺	
WOODSTOCK	KE4SJO	444.225	+			
WRIGHTSVILLE	WA4RVB	443.025	+	T156.7		

900 MHZ

ATLANTA	KG4LMT	927.500	-	223.0	
DAHLONEGA	N8EKA	927.4875-		PROP	☺
DALLAS	W3PS	927.525	-	PROP	
LAWRENCEVILLE	N8EKA	927.6875-		141.3	☺
#SAVANNAH	WA4VHP	923.000	-	UNCOR	
VALDOSTA	KB0Y	927.4875-		T141.3	☺

1270 MHZ

ATLANTA/BELL	KB4KIN	1292.000	-		☺
ATLANTA/MARIETTA	N4NEQ	427.250	+		☺
DALTON ATV	N4BZJ	421.250	+		

KENTUCKY

10 METERS

BUCKHORN LAKE	K4XYZ	29.620	-	103.5	☺
INGLE	KA4UHL	29.680	-	T146.2	☺
LOUISVILLE	KK4CZ	29.640	-		

6 METERS

ASHLAND	KC4QK	53.010	-	T107.2	☺
BUCKHORN LAKE	K4XYZ	53.730	-	PROP	☺
DORTON	WR4AMS	53.350	-	PROP	
HAZARD	K4TDO	53.850	-		☺
HIGHLAND HEIGHTS	AD4CC	53.330	-	123.0	☺
HIGHLAND HEIGHTS	W4YWH	53.750	-	123.0	☺
LAGRANGE	WB4WSB	53.950	-	PROP	
LAWRENCEBURG	N4EQT	53.130	-	T107.2	
LEXINGTON	KE4LGL	53.570	-		
LONDON	KE4ZJT	53.910	-	T100.0	☺
LOUISVILLE	KF4UAQ	53.290	-		
LOUISVILLE	N7BBW	53.430	-	T151.4	☺
LOUISVILLE	WB4LBR	52.025	+		
NANCY	KA4UHL	53.270	-	T100.0	☺

PLEASE NOTE

The Repeater Journal lists subtones used on repeaters ONLY if they are requested to be listed by the sponsor or owner. The listing of a subtone on any repeater does not in any way indicate it being a "Closed" repeater. Generally in most cases, the tones are used to eliminate noise problems and are listed at the owners request for users convenience.

NICHOLASVILLE	N4ALG	53.090	-	103.5	
#STANTON	WD4KNE	53.810	-	UNCOR	
WAYNESBURG	KE4RKF	53.390	-	T100.0	☺
WILLIAMSBURG	KB4PTJ	53.070	-	T100.0	☺

2 METERS

ALLEN	K4ICN	147.300	+	T123.0	☺
#ARTEMUS	N4INT	147.390	+	UNCOR	
ASHLAND	KG4DVE	146.940	-		
ASHLAND	KC4QK	147.240	+	T107.2	☺
ASHLAND	WA8KWH	147.330	+		
BARBOURVILLE	KF4CME	147.135	+	100.0	
BARDSTWN/NELSN	WB4GGH	145.470	-	151.4	☺
BENTON	KC4KAN	145.390	-	PROP	
BEREA	KF4OFT	146.715	-	100.0	
BLACK MTN	KM4M	147.210	+	T103.5	
BOWLING GREEN	K4LOL	147.060	+	156.7	☺
BOWLING GREEN	W4WSM	147.165	+		☺
BOWLING GREEN	KA4CFW	147.330	+		☺
BOWLING GREEN-SO	W4WSM	146.655	-		☺
BROOKS	KY4KY	146.700	-	T151.4	☺
BUCKHORN LAKE	K4XYZ	147.375	+	T103.5	☺
CADIZ	KT4SH	147.195	+	103.5	
CANE VALLEY	WA4UXJ	146.640	-		☺
CORBIN	WD4KWV	146.610	-		☺
COVINGTON	WR8CRA	147.390	+	T123.0	
CRESTWOOD	KY4OC	147.390	+	T151.4	☺
DANVILLE	WD4DZC	146.655	-		☺
DAVID	KC4KZT	145.310	-	T	
DAWSON SPRINGS	KF4CWK	147.090	+	T103.5	
#DIXON	N4IOX	147.255	+	UNCOR	
DORTON	KC4KZT	146.895	+	T141.3	
DRAKESBORO	KF4DKJ	146.820	-	T	
ELIZABETHTOWN	W4BEJ	146.980	-		
ELKTON	AC4RS	145.430	-	PROP	☺
FARMINGTON	W4GZ	147.240	+	T91.5	
FLEMINGSBURG	KF4BRO	146.955	-	T107.2	☺
FLORENCE	K4JBV	146.895	-	100.0	
FRANKFORT	N4EQT	147.105	+	T107.2	
FRANKFORT	KC4AI	147.240	+	T100.0	
FRANKLIN	KE4SZK	147.135	+	PROP	
GEORGETOWN	KF4NTQ	146.685	-	107.2	
GLASGOW	KY4X	146.940	-		☺
GRAYSON	KD4DZE	146.700	-	107.2	☺
GREENVILLE	WA4TTC	146.745	-		
GRETHEL	KJ4VF	147.045	+	T100.0	☺
GUTHRIE	KA4NNE	146.805	-	100.0	☺
HALLS GAP	W8PRH	145.170	-		☺
HARLAN	WA4ZAC	147.105	+		
HAWESVILLE	KY4HC	146.715	-	PROP	
HAZARD	KF4SJO	146.670	-		☺
HAZARD	W8PRH	146.805	-		☺
HENDERSON	W4KVK	145.490	-		
#HENDERSON	K4DPP	146.970	-	UNCOR	
HIGHLAND HEIGHTS	W4YWH	146.790	-	123.0	☺
HIGHLAND HTS.	K4CO	147.255	+	T123.0	☺
#HODGENVILLE	W4LJM	147.315	+	UNCOR	☺
HOPKINSVILLE	KF4FO	146.710	-		
HOPKINSVILLE	KD4ULE	147.030	+	T103.5	☺
HUEYSVILLE	K4NLT	145.470	-	T79.7	☺
HYDEN	KF4TLT	147.240	+	186.2	☺
IRVINE	W4CMR	146.820	-	192.8	
IRVINE	AD4RT	147.015	+		
JACKSON	WA4MXO	145.410	-		☺
#JONATHAN CREEK	N4SEI	146.985	-	UNCOR	
LARUE	WA4FOB	146.670	-	PROP	
LAWRENCEBURG	N4EQT	145.390	-	T107.2	
LEBANON	WD4JZH	147.345	+	T151.4	
LEBANON JCT.	KD4YGK	147.150	+	79.7	☺
LEESBURG	KC4UPE	145.110	-	T192.8	☺
LEXINGTN/GRGTWN	W8PRH	145.210	-		☺
LEXINGTON	AD4YJ	145.250	-	110.9	
LEXINGTON	WB4CWF	145.490	-		
LEXINGTON	AC4AO	146.730	-		☺
LEXINGTON	K4KJQ	146.760	-		☺
LEXINGTON	WA4HBM	147.165	+		☺
LEXINGTON	KJ4VF	147.195	+		☺
LITCHFIELD	KY4SP	147.225	+	179.9	
LONDON	KE4ZJT	147.180	+	T151.4	☺
LONDON	KC4ZFH	147.285	+	T	
LOUISA	N8QCW	147.390	+	127.3	☺
LOUISVILLE	KG4CCW	145.150	-	141.3	
LOUISVILLE	W8PRH	145.230	-		☺
LOUISVILLE	AC2DC	145.290	-	T151.4	
LOUISVILLE	KK4CZ	145.410	-	151.4	
LOUISVILLE	W4PF	146.880	-		
LOUISVILLE	W4PJZ	147.030	+	151.4	☺
#LOUISVILLE	N4MRM	147.070	+	UNCOR	☺
#LOUISVILLE	KA4KMT	147.120	+	UNCOR	
LOUISVILLE	W4CN	147.180	+	88.5	☺
LOUISVILLE	WB4EJK	147.270	+	151.4	
LOUISVILLE	KQ9Z	147.360	+		
LOUISVILLE AREA	N4UL	145.130	-	T151.4	
LYNN GROVE	KA4BLZ	146.895	-	T210.7	
MADISONVILLE	KC4FRA	146.610	-		☺
MARION	KA4FGA	147.285	+	PROP	
MAYSVILLE	KF4BRO	145.470	-	T107.2	☺
MIDDLESBORO	KA4WZX	146.775	-		
MILLARD	KD4RTR	146.745	-	T141.3	☺
#MONTECELLO	WB9SHH	146.395	+	UNCOR	☺
MONTICELLO	KY4JW	145.150	-	100.0	☺
MOREHEAD	KJ4VF	145.130	-	T100.0	☺
MOREHEAD	K4GFY	146.910	-	T123.0	
MT. STERLING	W4JTL	147.330	+	T103.5	
MURRAY	K4MSU	146.940	-	T91.5	☺
NANCY	KA4UHL	146.790	-	T100.0	☺
#NEBO	AA4NI	146.730	-	UNCOR	
OWENSBORO	N4WJS	146.685	-	110.9	☺
OWENSBORO	AD4MU	146.865	-		
OWENSBORO	K4HY	147.210	+	110.9	☺
OWINGSVILLE	N4TLP	147.075	+		
PADUCAH	K4CUW	146.655	-	T	
PADUCAH	K4CUW	146.760	-		
PADUCAH	W4NJA	147.060	+	103.5	☺
PADUCAH	KD4DVI	147.120	+	PROP	
PAINTSVILLE	N4KJU	145.270	-	T127.3	☺
PARIS	KE4OOS	147.045	+	PROP	
PAYNEVILLE	K4ULW	146.625	-	T151.4	☺
PHELPS	N4MWA	147.090	+	PROP	☺
PIKEVILLE	AD4BI	145.150	-	107.2	
PIKEVILLE	KM4IV	146.850	-		
PRESTONSBURG	WB4UBY	147.165	+		
PRINCETON	W4KBL	145.230	-	103.5	
PRINCETON	W4KBL	146.670	-		
#PROVIDENCE	N4IUI	147.330	+	UNCOR	
RADCLIFF	AI4HB	145.350	-	173.8	
RADCLIFF	W4BEJ	146.925	-		
RICHMOND	KE4YVD	145.370	-	T192.8	☺
RICHMOND	KG4AEU	146.865	-	192.8	
ROCKFIELD	KG4FEJ	145.450	-	136.5	
ROCKPORT	KD4BOH	145.270	-	77.0	☺
SALEM	KC4VXR	147.315	+		
SALVISA	KF4AWA	146.835	-	T192.8	☺
SALYERSVILLE	KB4SQI	145.190	-	T127.3	
SANDY HOOK	KF4WMM	147.135	+	T107.2	☺
SHELBYVILLE	KE4LR	147.000	+		☺
SO. PORTSMOUTH	KC8FKP	145.390	-	136.5	
SOMERSET	KA4UHL	146.880	-	77.0	☺
SPRINGFIELD	WA4SJH	147.300	+		
ST. CHARLES	KE4AIE	147.270	+		☺
STANTON	N4VOS	145.290	-		
STANTON	W8PRH	146.970	-		☺
TOMPKINSVILLE	KJ4OG	146.775	-		☺
VANCEBURG	AE4SK	146.775	-		☺
VERSAILLES	KF4INN	145.330	-		
WADDY	KS4TO	146.910	-	T107.2	
WALTON	K4CO	147.375	+	123.0	☺
WEST LIBERTY	KG4GQC	145.230	-	107.2	
WILLIAMSBURG	KG4M	147.000	+		
WINCHESTER	KF4CBT	145.430	-	PROP	
WINCHESTER	WB4ASZ	147.120	+		☺
WINCHESTER	KJ4VF	147.195	+	PROP	

220 MHZ

ASHLAND	KC4QK	223.940	-		☺
BUCKHORN LAKE	K4XYZ	224.460	-	PROP	☺
DORTON	WR4AMS	224.520	-		
GARRETT	K4NLT	224.260	-	PROP	☺
HAZARD	WR4AMS	224.820	-		
IRVINE	AD4RT	224.940	-		
LANCASTER	KD4RXF	224.560	-		
LAWRENCEBURG	N4EQT	224.900	-	T107.2	
LEXINGTON	AC4AO	224.420	-		☺
LONDON	WR4AMS	224.980	-		
LOUISVILLE	KA4MKT	224.300	-		
LYNCH	K4TDO	224.320	-		☺
META	WR4AMS	224.380	-	PROP	
MIDDLESBORO	WM4MD	224.120	-	T82.5	
MOREHEAD	KJ4VF	224.760	-	PROP	
NANCY	KA4UHL	224.100	-	T100.0	☺
PIKEVILLE	WB4F	224.580	-		
PIKEVILLE	KD4DAR	224.620	-		☺
PRESTONSBURG	WR4AMS	224.720	-		
SOMERSET	N4AI	224.300	-		☺
SOMERSET	N4AI	224.880	-		☺
STANVILLE	KJ4VF	224.680	-	PROP	
VERSAILLES	AD4CR	224.220	-		

440 MHZ

ALLEN	N4IWZ	444.775	+	T123.0	☺
#ASHLAND	KC8ERN	444.750	+	UNCOR	
ASHLAND	KC4QK	444.975	+	T107.2	☺
BARDSTOWN	KT4GB	443.000	+		☺
BEATTYVILLE	KC4UPE	444.825	+	T192.8	☺
BEAVERLICK	KC4COV	443.475	+	T131.8	
BOWLING GREEN	W4HTB	426.250	+		☺
BOWLING GREEN	W4WSM	444.100	+		☺
BOWLING GREEN	WB4JM	444.700	+	T136.5	☺
BROOKS	KY4KY	443.700	+	151.4	☺
BRUSHY FORK	KF4WMM	444.600	+	88.5	☺
BUCKHORN LAKE	K4XYZ	443.400	+	103.5	☺
BURLINGTON	KD4EVB	443.525	+	T107.2	☺
CANE VALLEY	W4LJM	443.950	+	T	☺
CORBIN	KF4IFC	444.275	+	79.7	☺
CORBIN	WB4IVB	444.900	+	T100.0	
COVINGTON	KC4COV	444.175	+	T131.8	
COX'S CREEK	AE4NU	443.450	+	T151.4	☺
DAVID	KC4KZT	443.900	+	T167.9	
DAWSON SPRINGS	KU4MJ	444.275	+		
DORTON	KD4RTR	442.150	+	167.9	☺

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

KENTUCKY REPEATERS CONTINUE

DORTON	KJ4VF	443.250	+		☺
DRY RIDGE	KD4EVB	444.425	+	T107.2	☺
ELIZABETHTOWN	W4BEJ	421.250	+		
ELIZABETHTOWN	W4BEJ	444.800	+		
ELKHORN CITY	KD4RTR	444.300	+	167.9	☺
FALMOUTH	KD4EVB	443.825	+	T107.2	☺
FLATWOODS	KZ4G	443.450	+	PROP	☺
FLORENCE	KC4COV	443.175	+	T131.8	
FORT WRIGHT	KY4JD	441.850	+	T	☺
FORT WRIGHT	KY4JD	442.525	+	T123.0	☺
FOSTER	KU4ML	443.125	+		
FRANKFORT	K4NGQ	442.175	+	T67.0	
FRANKFORT	WA4CMO	443.325	+		
FRANKLIN	KD4TAH	443.225	+		
GARRETT	KF4JJD	442.400	+	79.7	☺
GEORGETOWN	KF4NTQ	443.625	+		
GLASGOW	KY4X	444.925	+		☺
GLASGOW/CVCTY	KF4DC	444.250	+		
GRAEFENBURG	N4HZX	443.550	+		
GRETHEL	KJ4VF	444.525	+		☺
HARLAN	KD4CDX	442.625	+	PROP	
HAWESVILLE	KB4QFL	444.625	+		
HAZARD	K4TDO	443.975	+	103.5	
HENDERSON	KY4K	444.725	+	T203.5	
HIGHLAND HEIGHTS	W4YWH	444.900	+	123.0	☺
HOPKINSVILLE	KE4AIF	444.750	+	T103.5	
HORSECAVE	KF4QZN	444.850	+	PROP	
HUDSON	KY4SP	444.900	+	179.9	
INDEPENDENCE	KB8SBN	444.075	+	T110.9	
IRVINE	W4CMR	442.900	+		
IRVINE	AD4RT	444.000	+		
LATONIA	AA4XV	442.400	+	T	
LAWRENCEBURG	N4EQT	443.925	+	T107.2	
LEWISPORT	K4DC	444.550	+		☺
#LEXINGTON	KY4ATV	923.250	-	UNCOR	☺
LEXINGTON	KD4ADJ	442.050	+		☺
LEXINGTON	KE4OOL	443.025	+	T123.0	
LEXINGTON	KB8QLC	444.125	+	88.5	
LEXINGTON	KC4DUU	444.550	+		
LEXINGTON	KE4ISR	444.725	+	T	
LEXINGTON	N4DUE	444.950	+		☺
LOUISVILLE	N4ORL	442.000	+		
LOUISVILLE	KB4RYM	442.500	+		
LOUISVILLE	WD4ELX	442.550	+		
LOUISVILLE	KB4YJ	442.725	+	151.4	
LOUISVILLE	WD9EQC	443.500	+		
LOUISVILLE	N4KWT	443.975	+	100.0	
LOUISVILLE	N4UL	444.100	+	173.8	
LOUISVILLE	KG4JNM	444.300	+	156.7	
LOUISVILLE	N4NMC	444.600	+	T151.4	
LOUISVILLE AREA	N4RBL	442.100	+	T	
LOUISVILLE AREA	KD4CLR	442.450	+	T151.4	
LOUISVILLE SW	K4ULW	443.350	+		☺
MADISONVILLE	KC4FIE	442.425	+		☺
MADISONVILLE	AE4LW	442.575	+	T100.0	☺
MADISONVILLE	KC4FIE	442.775	+		☺
MADISONVILLE	KC4FIE	444.600	+		☺
MAMMOTH CAVE	KF4QZN	444.475	+	T179.9	
MANCHESTER	KD4GMH	444.500	+	PROP	
MARION	KR4PF	444.200	+	T100.0	☺
MAYSVILLE	KF4BRO	443.500	+	T123.0	☺
META	WB4UBY	443.500	+		
MIDDLESBORO	WM4MD	442.325	+	T67.0	
MIDDLESBORO	KD4PBC	443.150	+	PROP	
MIDDLESBORO	WB4IVB	444.150	+	T100.0	
MILLARD	KD4RTR	443.425	+		☺
MONTICELLO	WB9SHH	444.750	+		☺
MOREHEAD	K4GFY	442.500	+	T	
MOREHEAD	KJ4VF	443.250	+	PROP	
MORGANTOWN	KF4QZN	444.425	+	T179.9	
MT STERLING	KD4ADJ	442.600	+		☺
MURRAY	K4MSU	443.800	+	T91.5	☺
NANCY	KA4UHL	443.600	+	T100.0	☺
NEBO	AA4NI	444.850	+		
NICHOLASVILLE	KC4UPE	444.775	+	T167.9	☺
NICHOLASVILLE	WB4CWF	444.975	+		
OLIVE HILL	KO4LI	444.925	+		
OWENSBORO	N4WJS	443.100	+	T110.9	☺
OWENSBORO	N4WJS	443.650	+	110.9	☺
PADUCAH	KD4DVI	443.000	+	179.9	
PAINTSVILLE	N4KJU	441.525	+	127.3	
PHELPS	N4MVY	444.575	+		☺
PIKEVILLE	KD4RTR	444.200	+		☺
PIKEVILLE	KD4DAR	444.375	+		☺
PIKEVILLE	AD4BI	444.475	+		
PRESTONSBURG	K4AVY	443.825	+	127.3	☺
RICHMOND	KE4ISW	444.625	+	192.8	☺
RINEYVILLE	KF4RBD	444.225	+	PROP	
ROBINSON CREEK	KC4VYX	444.675	+		
ROCKPORT	KD4BOH	442.675	+	77.0	☺
ROCKPORT	KD4BOH	444.075	+	T77.0	☺
RUSSELLVILLE	KE4SZK	442.350	+	136.5	
SALEM	KC4VXR	444.825	+	T100.0	
SALVISA	KF4AWA	444.675	+	T203.5	☺
SALVISA	KC4UPE	444.875	+	T167.9	☺
SALYERSVILLE	KE4NLL	444.050	+	T127.3	
SHELBYVILLE	KE4YRE	442.375	+		
SHEPHERDSVILLE	AC4VV	444.400	+	T	☺
SIMPSONVILLE	KO4OT	444.450	+	T100.0	☺
SPRINGFIELD	WA4SJH	444.600	+		
STANTON	N4VOS	442.075	+		
UNION	AD4CC	441.800	+	PROP	☺
VERSAILLES	KF4INN	443.775	+		
WADDY	KS4TO	443.225	+		
WALTON	K4CO	444.350	+	123.0	☺
WAYNESBURG	AG4TY	442.975	+	PROP	
WHITESBURG	KK4WH	443.750	+	PROP	
WILLIAMSBURG	KB4PTJ	444.050	+	100.0	☺
WITHAMSVILLE	KC4COV	444.400	+	T131.8	

900 MHZ

LEXINGTON	KA4KMG	927.725	-	PROP	

MISSISSIPPI

10 METERS

BAY SAINT LOUIS	KB5MPW	29.640	-	T136.5	☺

6 METERS

BAY SAINT LOUIS	KB5MPW	53.650	-	T136.5	☺
ELLISVILLE	N5EKR	53.010	-	T	
JACKSON	W5PFC	53.470	-	PROP	
LAUREL	KC5PIA	53.450	-		☺
NETTLETON	AB5MU	53.050	-	192.8	

2 METERS

#ABBEVILLE	WB5VYH	145.470	-	UNCOR	
ABERDEEN	WB5USN	147.270	+	210.7	☺
ACKERMAN	NO5N	147.120	+		
AMORY	KB5DWX	146.940	-	T192.8	
AMORY	KB5DSN	147.090	+		
BAY ST. LOUIS	KB5MPW	146.700	-		☺
BILOXI	KC5IF	146.730	-		
BILOXI	K5TYP	146.790	-		
BOONEVILLE	K5YD	145.190	-	110.9	☺
BOONEVILLE	KI5WI	147.150	+		☺
BUDE	K5JMD	146.850	-	T103.5	
BYHALIA	N4DRL	145.350	-		☺
CHATAWA	WB5GOJ	145.310	-		
CLEVELAND	KD5YTB	146.775	-	T107.2	
COLLINS	N5LRQ	146.985	-	T136.5	
COLUMBIA	N5LJC	147.285	+	PROP	
COLUMBUS	KC5ULN	146.625	-		☺
COLUMBUS	KC5ULN	147.000	+		☺
CORINTH	WB5CON	146.925	-	T107.2	☺
CORINTH	K5UFH	147.000	-		
CORINTH	K5WHB	147.285	+		☺
ELLISVILLE	N5EKR	146.955	-	T	
ELLISVILLE	W5NRU	146.865	+	T136.5	
ELLISVILLE	W5NRU	146.895	+	T136.5	
FLORENCE	KD5AXY	145.110	-	T	
FOREST	KC5QHP	147.390	+	T100.0	
#FRENCH CAMP	W5BJT	147.225	+	UNCOR	
FULTON	WX5P	145.450	-		☺
GLOSTER	KX5E	145.430	-	T136.5	
GREENVILLE	KG5SF	147.345	+		
GREENWOOD	KA5TQY	146.715	-		
GRENADA	W5LV	146.700	-		☺
GULFPORT	KA5VFU	147.375	+		☺
HATTIESBURG	W5CJR	145.190	-	T136.5	
HATTIESBURG	K5IJX	145.370	-	136.5	
HATTIESBURG	K5PN	146.775	-	T136.5	
HATTIESBURG	KD5MIS	147.315	+	T136.5	
HATTIESBURG	W5CJR	147.360	+		
HERNANDO	K5VV	146.910	-		
INDIANOLA	N5LRL	147.180	+		
ISOLA	KC5OB	146.955	-		
IUKA	WB5MFK	146.850	-		
JACKSON	KB5KGE	145.390	-		
JACKSON	W5AXQ	146.760	-		☺
JACKSON	K5QNE	146.880	-	T100.0	☺
JACKSON	KA5SBK	146.940	-	100.0	☺
JACKSON	W5IQ	147.000	+	T	☺
JACKSON	NC5Y	147.075	+	T	
KILN	K5DMC	145.330	-		
KOSCIUSKO	W5LWC	146.850	-		
LAUREL	W5LAR	146.610	-		
LAUREL	WV5D	147.030	-	T	
LAUREL	KC5RC	147.255	+		
LOUISVILLE	KC5QGC	147.360	+		
LUCEDALE	WA5JZL	146.910	-		
MADISON	K5XU	146.640	-		☺
MAGEE	KA5LNY	146.820	-	100.0	
MAGEE	KA5LNY	147.300	+		☺
MCCOMB	K5JMD	146.940	-	T	
MERIDIAN	KC5ZZH	146.655	-		☺
MERIDIAN	W5FQ	146.700	-		☺
MERIDIAN	KI5FW	146.970	-	100.0	☺
MONTICELLO	N5JHK	147.015	+		
MOOREVILLE	WB5NAY	146.640	-		
MORTON	KB5LCL	147.045	+	T141.3	
NATCHEZ	W5KHB	146.685	-	100.0	
NATCHEZ	K5OCM	146.910	-	91.5	
NATCHEZ	K5SVC	147.360	+	100.0	☺
#NEW ALBANY	KC5VZI	145.230	-	UNCOR	
NEW ALBANY	W5UBG	146.670	-		
#NEW ALBANY	KC5VZI	146.745	-	UNCOR	
NEW HEBRON	N5MRS	147.090	+	T	
OCEAN SPRINGS	W5LDD	147.030	+		☺
PASCAGOULA	KE5SJ	146.880	-		
PASCAGOULA	N5PH	146.970	-	T	
PEARL/RANKIN CO	KF5IZ	147.150	+	T88.5	
PELAHATCHIE	W5PPB	147.240	+	T77.0	☺
PHILADELPHIA	N5EPP	147.330	+		
PICAYUNE	KE5LT	145.150	-		☺
PONTOTOC	WB5NAY	147.380	+		
PORT GIBSON	KE5WO	146.625	-		
PURVIS	KB5ZCX	146.670	-		
RAYMOND	W5JWX	145.170	-	T77.0	
RICHTON	N5OCF	147.060	+	T	
SENATOBIA	KB5DMT	146.985	-	T107.2	
SHARON	W5PPB	145.450	-	T77.0	☺
SILVER CREEK	KC5YUX	147.195	+	T136.5	
SOUTHAVEN	N5PYQ	145.370	-	T107.2	
STARKVILLE	KD5GVU	146.730	-	210.7	☺
STARKVILLE	KF5C	146.805	-	192.8	
#SUMNER	WB5FXH	147.090	+	UNCOR	
TUPELO	N5VGK	145.490	-		
TUPELO	N5ELS	147.240	+		
UNION	N5SPJ	147.210	+	T100.0	
UTICA	N5ZMZ	145.350	-		
UTICA	KC5TGT	146.730	-	T77.0	☺
UTICA	N5ZMZ	147.345	+		
VANCLEAVE	W5WA	145.110	-	123.0	☺
#VANCLEAVE	KE5TL	147.000	-	UNCOR	
VICKSBURG	WJ5L	145.290	-		
#VICKSBURG	K5IMT	146.805	-	UNCOR	
VICKSBURG	K5ZRO	147.270	+	T100.0	☺
VOSSBURG	KB5UIX	147.135	+	136.5	
WALLS	N5NBG	145.270	-	T162.2	
WATER VALLEY	N5DXM	147.000	-		
#WAYNESBORO	W5SAR	145.210	-	UNCOR	☺
WAYNESBORO	W5SAR	147.105	+		☺
WAYNESBORO	N5DWU	147.315	+		
WEST POINT	KC5LIO	147.180	+		
WIGGINS	KB5DZJ	145.270	-	T136.5	☺
WINONA	N5EYM	146.970	-	110.9	

220 MHZ

BYHALIA	N4DRL	224.500	-		☺
VICKSBURG	WB5OWY	224.780	-		
WARSAW	N4DRL	224.880	-		☺

440 MHZ

ABERDEEN	KD5AHI	444.450	+	210.7	☺
AMORY	KB5DSN	444.825	+		
BYHALIA	N4DRL	444.300	+		☺
CLERMONT HARBR	WD5BJT	444.150	+	T77.0	
CLINTON	W5PFR	444.000	+	T100.0	☺
ELLISVILLE	AA5SG	442.200	+	T167.9	
ELLISVILLE	AA5SG	442.250	+	T136.5	
GAUTIER	KA5NOJ	911.250	-		
GAUTIER	KA5NOJ	426.250	+		
GAUTIER	KC5LCW	443.450	+	123.0	☺
GLOSTER	N5ZNS	443.825	+		
GREENVILLE	N5PS	444.675	+	100.0	
GRENADA	AD5IT	444.700	+	T107.2	
HATTIESBURG	K5PN	443.700	+	T136.5	
HAZLEHURST	N5ZDF	443.950	+	T100.0	
HEIDELBERG	KC5RC	444.300	+	T100.0	
HICKORY FLAT	W4ZCD	444.725	+	T179.9	
INDIANOLA	AB5DU	444.850	+	136.5	
JACKSON	KB5LCL	444.450	+	T141.3	
JACKSON	KB5CO	444.600	+	T100.0	☺
JACKSON	NC5Y	444.700	+		
JACKSON	KB5CO	444.800	+		
JACKSON, EAST	AA5RZ	443.625	+		
LAUREL	W5NRU	443.650	+	T100.0	
MCCOMB	N5HTQ	444.875	+	T100.0	
MERIDIAN	KB5BRZ	444.100	+	131.8	☺
MERIDIAN	W5LRG	444.500	+	107.2	☺
NATCHEZ	N5IAT	443.800	+		
NETTLETON	AB5MU	444.625	+	192.8	
NEW ALBANY	WB5YCR	444.150	+		
NEW HEBRON	N5NNI	444.525	+	T	
O'REILLY	N5PS	444.975	+	PROP	
PEARL	KB5HAV	444.375	+	T88.5	
PETAL	W5CJR	443.350	+	T	
PHILADELPHIA	WB5YGI	444.950	+		
PICAYUNE	KE5LT	443.725	+	T179.9	☺
PINOLA	KC5LXF	444.850	+		
PORT GIBSON	KC5CLM	444.575	+	T141.3	☺
RICHTON	N5OCF	444.625	+		
RIDGELAND	N5WDG	443.700	+	T77.0	☺
SOUTHAVEN	NU5O	443.575	+	77.0	
SOUTHAVEN	N5PYQ	444.925	+	T107.2	
STARKVILLE	KD5GVU	444.750	+		☺
STENNIS SPC CEN	WB4FUR	444.650	+		
TUPELO	N5VGK	444.950	+	T192.8	
VICKSBURG	WB5TTE	444.925	+		
VOSSBURG	N5LRQ	442.725	+	T167.9	
WALLS	N5NBG	444.650	+		
WAYNESBORO	W5SAR	443.500	+		☺

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

MISSISSIPPI REPEATERS CONTINUE

WAYNESBORO	W5SAR	443.550	+		
WEST POINT	N5WXD	443.450	+		
WIGGINS	KB5DZJ	443.300	+	167.9	

NORTH CAROLINA

10 METERS

HIGH POINT	KE4QOX	29.640	-	T103.5	
NEWPORT	K4GRW	29.660	-	PROP	
ROCKY MOUNT	N4JEH	29.660	-		
THOMASVILLE	WW4DC	29.680	-	88.5	
WILKESBORO	KC4XE	29.620	-		
ZEBULON	WB4IUY	29.620	-		

6 METERS

AIR BELLOWS GAP	WA4PXV	53.750	-		
ASHEVILLE	WD4BQW	53.270	-		
BOONE	WA4NC	53.790	-	PROP	
CHAPEL HILL	W4UNC	53.450	-	T107.2	
CLINTON	W4TLP	53.330	-		
DURHAM	W4BAD	53.750	-		
EFLAND	WA1YYN	53.410	-	T107.2	
#FAYETTEVILLE	W4EBM	53.810	-	UNCOR	
GASTONIA	KC4YOT	53.110	-		
HENDERSONVILLE	W4FOT	53.130	-	T100.0	
KVILLE/HIPOINT	KF4QDS	53.590	-	T103.5	
LUMBERTON	KD4BGD	53.110	-		
MONROE	W4ZO	53.370	-	T100.0	
MT MITCHELL	AB4JJ	53.630	-	T100.0	
MT. AIRY	N4DAJ	53.970	-	T100.0	
MT.AIRY/FANCY GP	KD4FWS	53.070	-	T100.0	
PITTSBORO	KD4JFN	53.230	-	T107.2	
RALEIGH	K4ITL	53.030	-		
RALEIGH	W4BAD	53.190	-		
REELSBORO	KF4IXW	53.090	-	T162.2	
ROBBINSVILLE	KD4YWB	53.710	-	PROP	
ROCKY MOUNT	N4JEH	53.050	-		
SAURATOWN MT	N4QLX	53.210	-		
SOPHIA/RANDLEMAN	WR4BEG	53.350	-		
SPRUCE PINE	WA4PXV	53.050	-	T151.4	
TARBORO	K4SER	53.110	-		
THOMASVILLE	KE4QOX	53.010	-	T88.5	
THOMASVILLE	WW4DC	53.170	-	88.5	
THOMASVILLE	WW4DC	52.525	+	T88.5	
WEST JEFFERSON	AB4JJ	53.310	-	T100.0	
WEST JEFFERSON	AB4JJ	53.390	-	T100.0	
WILLIAMSTON	K4SER	53.310	-		
#WILMINGTON	AD4DN	53.430	-	UNCOR	
YOUNGSVILLE	KD4MYE	53.370	-	T	

2 METERS

#AHOSKIE	WB4YNF	145.130	-	UNCOR	
AHOSKIE	WA4ZGQ	146.910	-	T131.8	
ALBEMARLE	K4OGB	146.985	-	T100.0	
ANDRWS/ROBNSVL	K4AIH	147.045	-	151.4	
ANDSN MT/DENVER	K4CCR	145.170	-	88.5	
ASHEBORO	K4ITL	145.270	-	T82.5	
ASHEVILLE	WB4PLA	146.835	-		
ASHVL/MT PISGAH	WA4BVW	146.760	-		
ASHVL/SPIVEY MT	W4MOE	146.910	-	91.5	
BAKERSVILLE	W4NGH	145.310	-		
BENSON	KD4BJD	146.970	-		
BETHEL	KD4EAD	147.375	+	T151.4	
BEULAVILLE	N4VBH	145.230	-		
BOONE/RICH MTN	WA4J	147.360	+	T103.5	
BREVARD	K4HXZ	147.135	+		
BURGAW	K4CTY	146.940	-		
BURLINGTON	K4FHB	146.670	-		
BURNSVILLE	KD4WAR	146.955	-		
BURNSVILLE	KD4WAR	147.375	+		
BUTNER	N4NCK	145.370	-		
BUTNER	WA4IZG	146.940	-	T156.7	
BUXTON	K4USB	146.625	-	131.8	
CANTON	W4DJB	146.805	+		
CARTHAGE	KG4BOS	147.240	+		
CHAPEL HILL	W4UNC	145.230	-	T107.2	
CHAPEL HILL	K4ITL	147.135	+	T82.5	
CHARLOTTE	W4BFB	145.230	-		
CHARLOTTE	W4BFB	145.290	-		
CHARLOTTE	WA4AOS	145.350	-		
CHARLOTTE	W4BFB	146.940	-		
CHARLOTTE	W4CQ	147.060	-		
CHARLOTTE	W4CQ	147.270	+		
CHERRY MTN	KG4JIA	147.240	+	94.8	
CHINA GROVE	N4XO	145.410	-	136.5	
CLAREMONT	WB4SRV	147.225	+	T162.2	
CLAYTON	WB4IUY	147.390	+	T88.5	
CLINTON	W4TLP	146.790	-		
COINJOCK	WN3X	145.290	-	131.8	
COLUMBIA	KB4TOH	146.835	-	T131.8	
CONCORD/KANNAP	K4CEB	146.655	-		
DOBSON	AD4T	146.925	-	T100.0	
DUNN	N4CID	146.700	-		
DURHAM	WR4AGC	145.450	-		
DURHAM	K4JPE	146.985	-	T156.7	
DURHAM	WD4LDB	147.360	+		
EDEN/STONEVILLE	WA4QBG	147.390	+		
EFLAND	WA1YYN	147.180	+	T156.7	
ELIZABETH CITY	KC4QLP	145.250	-	T131.8	
ELIZABETH CITY	WA4VTX	146.655	-	131.8	
ELM CITY	K2IMO	145.150	-	T88.5	
EMERALD ISLE	KI4RK	145.330	-	PROP	
FARMVILLE	K4ROK	145.270	-	T131.8	
FAYETTEVILLE	WA4FLR	147.330	+		
FAYVLLE/CFARS	K4MN	146.910	-	100	
FOREST CITY	K4OI	146.670	-	PROP	
FRANKLIN	NT4K	145.490	-		
FRANKLIN	W4GHZ	147.240	+	T151.4	
FRANKLIN	WD4LCF	145.450	-	T	
GASTONIA/CRWDR	K4GNC	146.805	-		
GASTONIA/SPCR MT	N4GAS	147.120	+		
GIBSONVILLE	WB4IKY	145.490	-	T107.2	
GOLDSBORO	KI4RK	145.330	-	100.0	
GOLDSBORO	K4CYP	146.850	-	T	
GRAHAM	K4GWH	147.375	+	T114.8	
GREENSBORO	W4GSO	145.150	-	100.0	
GREENSBORO	W4GG	145.250	-	T88.5	
GREENSBORO	K4GWH	146.760	-	T156.7	
GREENSBORO	KG4BTN	147.030	+	T131.8	
GREENSBORO	W4BUZ	147.210	+		
GREENVILLE	WD4JPQ	145.350	-	T131.8	
GREENVL/ESTN NC	W4GDF	147.090	+		
GRIFTON	W4NBR	146.685	-	88.5	
HATTERAS ISLAND	K4OBX	145.150	-	T131.8	
HAW RIVER	KD4JFN	146.715	-	T107.2	
HENDERSONVILLE	WB4YAO	146.640	-	T91.5	
HENDERSONVILLE	WA4KNI	147.105	+		
HENDSVL/BERWLW	WA4KNI	145.270	-		
HENDSVL/PENIC	WA4KNI	147.255	+		
HICKORY	KF4LUC	145.490	-	PROP	
HICKORY/BRT. MT	WA4DSZ	146.850	-		
HIGH PEAK MTN	K4OLC	145.210	-	94.8	
HIGH POINT	NC4AR	145.290	-	T88.5	
HIGH POINT	W4UA	147.165	+		
HILLSBOROUGH	WR4AGC	147.225	+		
HOLDEN BEACH	W4ZU	146.775	-	T100.0	
#HOPE MILLS	W4IDR	146.835	+	UNCOR	
JACKSONVILLE	KA4SQN	145.190	-		
JACKSONVILLE	WD4FVO	147.000	-		
JEFFERSON	W4YSB	147.300	+	T103.5	
KANNAPOLIS	N4JEX	147.300	+	T136.5	
KILL DEVIL HILLS	W4PCN	145.110	-	T131.8	
KINSTON	W4OIX	145.470	-	T88.5	
LAURINBURG	KI4RR	146.625	-		
#LENOIR	N4NIN	147.195	+	UNCOR	
LENOIR/HIBRITN	KN4K	147.330	+	T141.3	
LEVEL CROSS	K4ITL	147.255	+	T82.5	
#LEXINGTON	N4LEX	145.310	-	UNCOR	
LEXINGTON	W4PAR	146.910	-	T107.2	
LILLINGTON	K4ITL	147.105	+	T82.5	
LINCOLNTON	NC4LC	147.015	+	141.3	
LOCUST	WA4CHZ	147.390	+	T100.0	
#LUMBERTON	W4LBT	145.150	-	UNCOR	
LUMBERTON	W4NHV	147.045	+		
LUMBERTON	KD4PBK	147.165	+	T88.5	
LUMBERTON	W4PET	147.360	+		
MACO	KB4BR	147.060	+	T	
MADISON	WA4IXW	147.345	+	T103.5	
MARION	WD4PVE	146.985	-	118.8	
MILLERS CREEK	N4GGN	146.715	-	94.8	
MONROE/UCARS	NC4UC	145.390	-	T94.8	
MORGANTON	KC4QPR	146.745	-	94.8	
MORGANTON	K4VLY	147.150	+		
MOUNT AIRY	N4VRD	145.330	-	T100.0	
MT MITCHELL	WA4BVW	145.190	-		
MT. AIRY	N4VL	145.130	-	T103.5	
MURPHY/STALCUP	N4WCO	146.865	+	T151.4	
N. WILKESBORO	W4HF	145.370	-	T94.8	
NASHVILLE	WA4WPD	145.290	-	T107.2	
NEW BERN	W4EWN	146.610	-	T100.0	
#NEWPORT	K4GRW	145.450	-	UNCOR	
NEWTON	K4CCR	147.075	+	T88.5	
ORIENTAL	W4SLH	147.210	+	T151.4	
OXFORD	N4NCK	145.170	-		
PITTSBORO	KD4JFN	147.075	+	T146.2	
RAEFORD	KU4W	145.430	-	100.0	
RALEIGH	W4RNC	145.130	-	T88.5	
RALEIGH	K4GWH	145.190	-	T156.7	
RALEIGH	WB4TQD	145.390	-	T82.5	
RALEIGH	W4BWC	145.490	-	T82.5	
RALEIGH	WB4TOP	146.610	-	T131.8	
RALEIGH	W4DW	146.640	-		
RALEIGH	W4BWC	146.730	-	T82.5	
#RALEIGH	KD4RAA	146.775	-	UNCOR	
RALEIGH	WB4TQD	146.880	-		
RALEIGH	W4BAD	147.015	+	T88.5	
RALEIGH	KO4CW	147.195	+	T88.5	
RALEIGH/BENSON	AK4H	147.270	+		
#RED SPRINGS	W4MZP	147.300	+	UNCOR	
REIDSVILLE	N4IV	146.850	-	T103.5	
ROANOKE RAPIDS	N4WFU	146.745	-	T131.8	
ROANOKE RAPIDS	KB4DJT	147.030	+		
ROANOKE RAPIDS	K4ITL	147.150	+	T82.5	
ROBBINSVILLE	N4GSM	145.110	-	T151.4	
ROCKINGHAM	K4RNC	146.955	-		
ROCKY MOUNT	W4DCG	146.805	-	T118.8	
ROCKY MOUNT	WN4Z	147.120	+	T131.8	
ROLESVILLE	KF4HFQ	147.315	+	T88.5	
ROSEBORO	K4ITL	145.310	-		
SALISBURY	W4EXU	146.730	-	T94.8	
SALISBURY	KG4WAD	146.775	-	T94.8	
SAURATOWN MT	W4NC	145.470	-	T100.0	
SAURATOWN MT	KG4ASL	146.790	-	T107.2	
SAURATOWN MT	K4MPJ	147.315	+	T100.0	
SHALLOTTE	K4PPD	145.370	-	118.8	
SHALLOTTE	K4PPD	147.315	+	T118.8	
#SHALLOTTE	K4PPD	147.390	+	UNCOR	
SHELBY	W4NYR	146.880	-		
SHELBY	W4NYR	147.345	+		
SPARTA/GREEN MT	K4QFQ	145.430	-		
STAR/BISCOE	KI4DH	147.090	+	100.0	
STATESVILLE	W4SNC	146.685	-		
SWANSBORO	KB2XI	146.760	-		
SYLVA	KF4DTL	147.345	+	151.4	
THOMASVILLE	KF4QDS	146.610	-	T123.0	
THOMASVILLE	KB4BPV	146.835	+	T88.5	
THOMASVILLE	WW4DC	147.000	+	T88.5	
TRENTON	WB4TQD	145.210	-		
#TROUTMAN	KC4MJC	147.045	+	UNCOR	
TRYON	KF4JVI	145.330	-		
TRYON	W4RCW	147.285	+		
WADESBORO	W4USH	146.835	-		
WANCHESE	W4ACY	146.940	-	T131.8	
WASHINGTON	WA4TEP	147.345	+		
WAXHAW	WA4ZRS	146.865	+	T94.8	
WAYNESVILLE	N4SM	147.270	+		
WAYNESVILLE	N4DTR	147.390	+		
WHITEVILLE	W4NTQ	147.210	+		
WILKESBORO	WB4PZA	146.820	-	94.8	
WILLIAMSTON	K4SER	145.410	-	T131.8	
WILMINGTON	N4JDW	145.170	-	T88.5	
WILMINGTON	AD4DN	146.670	-	T88.5	
WILMINGTON	N4ILM	146.730	-		
WILMINGTON	K4GMP	146.820	-	T88.5	
WILMINGTON	WA4US	147.135	+	T67.0	
WILMINGTON	AC4RC	147.180	+	T88.5	
WILSON	WB4THL	146.760	-	131.8	
WILSON	WB4IUY	147.300	+	PROP	
WINSTON-SALEM	W4NC	146.640	-	T100.0	
YADKINVILLE	N4YSB	147.015	-		
YOUNGSVILLE	KD4MYE	145.110	-	88.5	

220 MHZ

ANDRWS/ROBINSVL	K4AIH	224.880	-		
ASHEVILLE	KD4CJG	224.520	-	T91.5	
ASHEVILLE	WB4PLA	224.600	-		
ASHVL/MT PISGAH	WA4BVW	224.260	-		
BANNER ELK	WA4NC	224.840	-	PROP	
BARIUM SPRINGS	WA4WRS	224.300	-		
BIG KNB/MARS HIL	KE4RQL	224.660	-	100.0	
#BIG PHOENIX MTN	KC4KUL	224.600	-	UNCOR	
BURNSVILLE	KD4WAR	224.740	-		
CANTON	N4DWU	224.820	-		
CARY	W4JYV	224.880	-	PROP	
CHAPEL HILL	K4ITL	224.120	-	PROP	
CHARLOTTE	W4BFB	224.400	-		
CHERRY MTN	KG4JIA	224.640	-	PROP	
CHERRYVILLE	KC4ZTJ	224.960	-		
CLEMMONS	WB9SZL	224.700	-	T100.0	
DUNCAN	KM4TC	224.700	-	T88.5	
EDEN	N4IV	224.780	-	T103.5	
EFLAND	WA1YYN	224.660	-	T107.2	
GASTONIA	KC4IRA	224.620	-	T127.3	
GREENSBORO	WB4GUG	224.440	-	T107.2	
GREENSBORO	N4QVI	224.960	-		
GRIFTON	WA4DAN	224.840	-		
GRIMESLAND	WB4PAC	224.360	-		
HAW RIVER	KD4JFN	224.620	-	T107.2	
HENDERSONVILLE	N4UQS	224.960	-		
HENDSVL/BERWLW	WA4KNI	224.240	-		
HILLSBOROUGH	WR4AGC	224.260	-		
JACKSONVILLE	KA4SQN	224.320	-		
KERNERSVILLE	KF4IXK	224.820	-	T107.2	
KVILLE/HIPOINT	KE4QOX	224.240	-	T107.2	
LENOIR/HIBRITN	KN4K	224.160	-		
LOCUST	KC4FWC	224.480	-		
MARSHALL	KF4ZDS	224.360	-		
MT MITCHELL	WA4BVW	224.540	-		
OXFORD	N4NCK	224.740	-		
PLYMOUTH	KB7BTU	224.760	-	T131.8	
RALEIGH	K4ITL	224.160	-		
RALEIGH	W4RNC	224.640	-		
ROBBINSVILLE	N4GSM	223.940	-		
ROCKY MOUNT	NF4C	224.220	-		
ROCKY MOUNT	KR4AA	224.580	-		
SALISBURY	W4EXU	224.760	-		
SHELBY	W4NYR	224.060	-		
SHELBY	KC4ZTJ	224.460	-		
SOPHIS/RANDLEMAN	WR4BEG	224.140	-	T	
THOMASVILLE	WW4DC	224.340	-	T88.5	
TRENTON	WA4DAN	224.720	-		
WILMINGTON	WA4US	224.200	-	T	
WILMINGTON	AD4DN	224.500	-	T88.5	
WILMINGTON	WB4KPF	224.680	-		

440 MHZ

#AHOSKIE	WB4YNF	444.200	+	UNCOR	

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

N. CAROLINA REPEATERS CONTINUE

AIR BELLOWS GAP	WA4PXV	443.575	+		
ANDRWS/ROBINSVL	WD4NWV	442.600	+	T151.4	
ANDRWS/ROBINSVL	K4AIH	443.650	+		☺
ANDSN MT/DENVER	K4CCR	444.075	+	88.5	☺
APEX	KD4PBS	442.075	+	T114.8	☺
ASHEBORO	KE4QAP	444.975	+		
ASHEVILLE	WA4TOG	442.550	+		☺
ASHEVILLE	KD4GEU	442.650	+		
ASHEVILLE	KF4TLA	443.275	+	T103.5	
AUBURN	N4ZCM	442.275	+		
BENSON	K4JDR	444.550	+	PROP	☺
#BLADENBORO	KC4FWC	444.725	+	UNCOR	☺
#BLADENBORO	KC4FWC	444.725	+	UNCOR	☺
BOONE/RICH MT	KC4FWC	444.575	+	T77.0	☺
BREVARD	AG4AZ	442.850	+		☺
BRYSON CITY	N0SU	443.400	+	T151.4	☺
BUIES CREEK	NC4BJ	444.275	+	PROP	☺
BURGAW	N4JDW	444.075	+	PROP	
BURNSVILLE	KD4WAR	443.650	+		
CANTON	KE4UIU	443.475	+	T156.7	
CARY	K4JDR	444.775	+	T100.0	☺
CASTALIA	N4JEH	444.975	+	T107.2	☺
CHAPEL HILL	W4UNC	442.150	+	T131.8	☺
CHAPEL HILL	W4UNC	443.475	+	T131.8	☺
CHARLOTTE	W4PPN	421.250	+		
CHARLOTTE	N4IBM	442.650	+	88.5	☺
CHARLOTTE	KD4OWV	443.950	+		
CHARLOTTE	K4KAY	444.350	+	T118.8	☺
CHARLOTTE	W4CQ	444.450	+		☺
CHARLOTTE	W4BFB	444.600	+	T100.0	☺
CHARLOTTE	W4WBT	444.675	+		
CHARLOTTE	W4CQ	444.850	+		☺
CHARLOTTE	WA1WXL	444.950	+	T136.5	☺
CHERRY MTN	KG4JIA	442.500	+	94.8	☺
CHINA GROVE	N4JEX	443.250	+	T136.5	☺
CLAREMONT	WB4SRV	443.775	+	T118.8	
#CLAYTON	K4JDR	444.150	+	UNCOR	☺
COLUMBIA	KB4TOH	443.300	+	131.8	☺
COLUMBUS	K4JLA	442.075	+	T103.5	☺
CONCORD	N2QJI	442.525	+	PROP	☺
CRAB CREEK TWP	KB4PQA	443.125	+		
CROWDER'S MT	KD4FRP	443.675	+		
DALLAS CHLT	KC4YOZ	443.850	+	T100.0	
DURHAM	WR4AGC	444.100	+		
DURHAM	W4BAD	444.575	+	T88.5	
DURHAM	KB4WGA	444.925	+	T100.0	☺
DURHAM TV HILL	KJ4SO	421.250	+		
EFLAND	WA1YYN	442.050	+	T107.2	☺
ELIZABETH CITY	WA4VTX	444.300	+	131.8	☺
ELM CITY	K2IMO	442.325	+	PROP	
FAYETTEVILLE	K4MN	444.400	+	100HZ	☺
FOREST CITY	AI4M	443.300	+	T114.8	☺
FOUNTAIN	N4HAJ	444.425	+	PROP	☺
FRANKLIN	N4DTR	444.375	+	T131.8	
GASTONIA	KC4YOT	442.700	+	PROP	☺
GASTONIA	KG4LWG	442.775	+	T123.0	
GASTONIA	NC4GC	444.750	+	T	☺
GASTONIA/CRWDR	KC4ZTI	443.750	+		
GASTONIA/CRWDR	AG4EI	444.150	+	T	☺
GASTONIA/SPCR MT	N4GAS	444.550	+		☺
GIBSONVILLE	WB4IKY	443.025	+	T107.2	
GIBSONVILLE	WB4IKY	444.350	+	T107.2	
GOLDSBORO	KI4RK	443.000	+	T100.0	☺
GRAHAM	K4GWH	443.725	+	T156.7	
GRANTSBORO	KR4LO	444.350	+		
GREENSBORO	KO4AT	421.250	+		☺
GREENSBORO	KG4BTN	441.975	+	PROP	
GREENSBORO	W4GSO	442.875	+	T88.5	☺
GREENSBORO	KG4BTN	443.650	+	88.5	
GREENSBORO	K4GWH	444.225	+	T146.2	
GREENSBORO	KG4BTN	444.475	+	107.2	
GREENSBORO	KF4DWV	444.950	+	T100.0	☺
GREENVILLE	WB4PMQ	444.800	+	T131.8	☺
HATTERAS ISLAND	K4OBX	444.925	+	T131.8	☺
HAW RIVER	KD4JFN	443.775	+	T107.2	☺
HENDERSON	KG4IWI	442.125	+	T88.5	
HENDERSON	KB4WGA	444.375	+	T100.0	☺
HENDERSONVILLE	WA4TOG	442.450	+		☺
HENDSVL/BERWLW	WA4KNI	444.250	+		
HICKORY	WA4PXV	442.375	+		
HICKORY	K4JEQ	444.000	+		
HICKORY	KF4LUC	444.800	+	T94.8	☺
HIGH POINT	W4UA	443.900	+		☺
HIGH POINT	KD4JFN	444.025	+	T107.2	☺
HILLSBOROUGH	WA1YYN	443.950	+	PROP	☺
HILLSBOROUGH	WR4AGC	444.450	+	T100.0	
HOLLY SPRINGS	KF4AUF	444.325	+	T100.0	☺
HUNTERSVILLE	W8EMX	443.225	+	PROP	☺
#JACKSONVILLE	KE4JDP	444.675	+	UNCOR	
KANNAPOLIS	N4JEX	443.350	+	T136.5	☺
KERNERSVILLE	KF4DAR	442.975	+	T107.2	
KERNERSVILLE	KF4IXK	443.325	+	T131.8	
#KING/SAURATOWN	KE4QEA	444.200	+	UNCOR	☺
KINSTON	N4HAJ	442.000	+	PROP	☺
KINSTON	N4HAJ	444.575	+	T88.5	☺
KVILLE/H POINT	KE4QOX	443.700	+	T103.5	☺
LAKE GASTON	KF5TU	442.350	+	T100.HZ	☺
#LAURINBURG	KC4FWC	443.825	+	UNCOR	☺
LENOIR/CAJAH MT	N4EUX	443.525	+		☺
LEXINGTON	KO0NTZ	442.275	+	T146.2	☺
#LEXINGTON	K4AE	442.425	+	UNCOR	☺
LEXINGTON	K4CH	442.925	+	T107.2	☺
LEXINGTON	W4PAR	444.500	+	T	☺
LILLINGTON	W4FBC	444.175	+	PROP	
LINCOLNTON	WA4YGD	442.350	+		☺
LINVILLE	KC4UBR	442.175	+	T136.5	
LOCUST	WA4LBT	443.700	+		
LOUISBURG	N4EWS	444.250	+	88.5	
#LOUISBURG	KD4RAA	444.875	+	UNCOR	☺
LUMBERTON	WB4DVN	444.625	+		
LUMBERTON	KD4BGD	444.700	+	T114.8	☺
MAYODAN	WA4WGY	443.975	+		
MCLEANSVILLE	WB4GUG	444.125	+	T	
MIDDLESEX	NE4J	444.650	+	T179.9	
MONROE	W4ZO	444.300	+	T100.0	
MONROE	NC4UC	444.425	+	T94.8	☺
MORAVIAN FALLS	KA2NAX	442.675	+	T88.5	☺
MORG/WALKER TOP	KC4QPR	442.300	+	94.8	☺
MORGANTON	KC4QZL	443.800	+	T	
MOUNT AIRY	N4XRY	444.925	+		
MT AIRY/FSH PK	KF4UY	444.825	+	T100.0	
MT MITCHELL	N4DWU	443.600	+	114.8	☺
NASHVILLE	N4JEH	443.700	+	T107.2	☺
NEW BERN	W4EWN	444.900	+	T100.0	
NEWEL	WT4IX	442.125	+	PROP	☺
NEWPORT	KD4RAA	444.825	+	T100.0	☺
NEWPORT CCARS	W4YMI	444.975	+		☺
NEWTON	KE4KIV	442.625	+		
OLD FORT	KR4EX	444.775	+		
OXFORD	NO4EL	444.600	+		
PINEY KNOB	KC4KPW	443.875	+	T103.5	
PITTSBORO	K1BUD	442.550	+	T	☺
PITTSBORO	KD4JFN	444.750	+	T146.2	☺
POLKVILLE	KC4ZTJ	444.975	+		
RALEIGH	N4LMR	442.450	+		
RALEIGH	W4MLU	442.575	+	T	
RALEIGH	W4ATC	442.675	+	100.0	☺
RALEIGH	WA4NNA	443.125	+		☺
RALEIGH	N4ZCM	443.225	+	T	
RALEIGH	W1IFL	443.375	+	T	
RALEIGH	W4RNC	444.525	+	T82.5	
RALEIGH	KD4RAA	444.675	+	T100.0	
RALEIGH	K4GWH	444.825	+	T146.2	
RALEIGH	W4BAD	444.850	+	T100.0	
REIDSVILLE	K4YEC	444.800	+	T107.2	☺
RES. TRIANGLE PK	WA1YYN	443.425	+	T156.7	☺
RES. TRIANGLE PK	W4EUS	443.625	+		
ROANOKE RAPIDS	KA4BQM	444.550	+	T192.8	
ROCKY MOUNT	N4JEH	444.700	+	T107.2	☺
ROCKY MOUNT	WN4Z	444.850	+	T131.8	☺
ROLESVILLE	KF4HFQ	444.950	+	T88.5	
ROUGEMNT/RED MT	WA4WTX	443.275	+	100.0	
ROXBORO	KE4GYN	442.175	+	T156.7	☺
SALISBURY	W4HG	443.150	+	T136.5	
SALISBURY	KJ4HF	444.650	+	T88.5	☺
SAURATOWN MT	KE4QOX	443.100	+	T88.5	☺
SAURATOWN MTN	W1WBT	443.050	+	T136.5	☺
SCOTLAND NECK	WA4TCC	444.075	+	PROP	
SELMA	KI4RK	444.000	+		☺
#SHELBY	W4NYR	427.250	+	UNCOR	
SHELBY	W4NYR	444.325	+		☺
SOPHIA/RANDLEMAN	WR4BEG	443.075	+		
SOUTHERN PINES	KD4QMS	444.800	+	T118.8	
#STANFIELD	KC4FWC	443.200	+	UNCOR	☺
STATESVILLE	N4VOZ	443.450	+		
STATESVILLE	AE4GA	444.700	+	T94.8	
TARBORO	N4JEH	444.500	+	T100.0	☺
TARBORO	N4NTO	444.925	+	T118.8	☺
TAYLORSVILLE	W4ERT	441.625	+	T123.0	
TAYLORSVILLE	W4ERT	442.950	+	T151.4	
THOMASVILLE	WW4DC	442.900	+	T88.5	☺
VALDESE	WA4PXV	442.600	+		
WAXHAW	WA4ZRS	444.525	+	T94.8	☺
WAYNESVILLE	N4DTR	444.450	+		
WENTWORTH	N4IV	442.100	+	PROP	☺
WEST JEFFERSON	AB4JJ	443.500	+	T107.2	☺
WILKESBORO	KE4DGP	442.475	+	T107.2	
WILKESBORO	KC4XE	443.550	+	94.8	☺
WILLIAMSTON	K4SER	444.250	+	T131.8	☺
WILMINGTON	N4JDW	442.075	+	T88.5	
WILMINGTON	WA4US	442.175	+		☺
WILMINGTON	WA4US	442.200	+	T	☺
WILMINGTON	K4YNY	442.500	+	T88.5	
WILMINGTON	AD4DN	443.400	+	T88.5	☺
WILMINGTON	WA4US	443.850	+		☺
WILMINGTON	WA4US	443.950	+		☺
WILMINGTON	N4JDW	444.050	+	T88.5	
WILMINGTON	WA4US	444.200	+		☺
WILMINGTON	WA4US	444.450	+		☺
WILMINGTON	WA4US	444.650	+		☺
WILMINGTON	K4GMP	444.850	+	T88.5	☺
WILSON	W4EJ	444.900	+	T179.9	☺
WINGATE	WB4U	444.875	+	T127.3	☺
WINSTON-SALEM	W4NC	444.275	+		☺
WINSTON-SALEM	KD4MMP	444.725	+	T107.2	☺
YADKINVILLE	KD4KMK	442.025	+	T100.0	☺
YADKINVILLE	N4AAD	442.800	+	T100.0	
YOUNGSVILLE	KC4WDI	443.200	+	T88.5	☺
ZEBULON	N1GMV	444.475	+	T88.5	
ZIRCONIA	N2QJI	441.900	+	PROP	☺

900 MHZ

BEAR WALLOW	WA4TOG	927.550	-	PROP	☺
CONCORD	N2QJI	927.6625	-	PROP	☺
DURHAM	KB4WGA	927.6125	-	PROP	☺
RALEIGH	W4FAL	927.6625	-	T156.7	☺
WAYNESVILLE	N4DTR	927.6625	-	T131.8	

1270 MHZ

#CHARLOTTE	W4PPN	1253.250	+	UNCOR	
CONCORD	N2QJI	1282.525	-	PROP	☺
GASTONIA/CRWDR	AG4EI	1292.820	-		☺
WILMINGTON	AD4DN	1291.410	-	88.5	☺

SOUTH CAROLINA

10 METERS

SUMTER	W4GL	29.660	-		

6 METERS

BISHOPVILLE	K4NOC	53.090	-		☺
BLACKSBURG	AB4OE	53.030	-	PROP	
CHESTER	KF4SXO	53.290	-		
GAFFNEY	KF4BJO	53.470	-	PROP	
GVL/CSR'S HEAD	KO4MZ	53.410	-	T131.8	☺
LEESVILLE	N5CWH	53.270	-	T162.2	☺
LITTLE MOUNTAIN	KN4AS	53.190	-	T156.7	
MOUNTAIN REST	KF4IWA	53.590	-		
ORANGEBURG	AD4U	53.210	-		☺
ROCK HILL	KI4D	53.250	-	T123.0	☺
SUMTER	W4GL	53.770	-		
UNION	K4USC	53.150	-		☺
WALTERBORO	KG4BZN	53.310	-	123.0	☺

2 METERS

AIKEN	KY4S	145.170	-		☺
AIKEN	N4ADM	147.285	+		
ANDERSON	N4AW	146.970	-		☺
ANDERSON/SAS MT	N4AW	146.790	-		☺
BAMBERG	WA4DFP	145.330	-		☺
BARNWELL	KK4BQ	147.030	+	T156.7	☺
BEAUFORT	W4IAR	145.310	-		☺
BEAUFORT	KD4KOJ	146.655	-		☺
BISHOPVILLE	K4NOC	145.170	-	T123.0	☺
BISHOPVILLE	W4APE	146.925	-		
CAMDEN	KT4NZ	146.820	-	PROP	
CHARLESTON	WA4USN	145.250	-	123.0	
CHARLESTON	K4ESG	146.760	-	T	☺
CHARLESTON	WA4USN	146.790	-		
CHARLESTON	KT4YW	146.835	-		☺
CHARLESTON	N7GZT	146.940	-	T	
CHARLESTON	KE4HHR	147.300	+	T103.5	☺
CHARLESTON	N7GZT	147.345	+	T	
CHARLESTON AR	WA4USN	145.410	-		
CHARLESTON AREA	W4ANK	147.270	+		
CHERAW	W4APE	145.490	-		
CHESTER	W4CHR	145.310	-		☺
CHESTER	KF4SXO	146.625	-		
CHESTERFIELD	K4CCC	147.135	+		
CLEMSON UNIV	WD4EOG	145.450	-	T	
COLUMBIA	N7GZT	145.270	-	T162.2	☺
COLUMBIA	WB4NEP	146.715	-		
COLUMBIA	KF4GHC	147.330	+	156.7	☺
COLUMBIA	N4EOY	147.360	+		
DILLON/PEE DEE	W4PDE	146.745	-		☺
EASTOVER	KT4BU	147.075	+	T156.7	
ELLOREE	KC4WIF	146.610	-	T118.8	
FLORENCE	W4ULH	146.850	-		☺
FLORENCE	W4GEY	146.970	-		☺
FLORENCE	W4APE	147.195	+		
FORT JACKSON	KF4GHC	146.775	-	T156.7	☺
FORT MILL	WZ4SC	145.110	-		
FORT MILL	W4DXA	147.180	+		☺
GAFFNEY	WB4BLI	145.470	-	141.3	
GEORGETOWN	KI4CB	147.375	+		☺
GREELEYVILLE	KG4AQH	145.230	-		
GREENVILLE	W4IQQ	146.940	-	67.0	☺
GREENWOOD	W4JAK	145.130	-		☺
GREENWOOD	W4GWD	147.165	+	107.2	☺
#GREENWOOD	K4LEO	147.375	+	UNCOR	
GRNVLE/CSRS HD	W4NYK	146.610	-		☺
GRNVLE/PARIS MT	W4NYK	146.820	-		☺
HILTON HEAD	W4IAR	147.240	+	T	☺
#LANCASTER	W4PAX	146.700	-	UNCOR	☺
LANCASTER	AC4VT	147.240	+	T88.5	
LAURENS	KD4HLH	146.865	+	T107.2	☺
LEESVILLE	N5CWH	146.655	-	T162.2	☺
LEESVILLE	W4RRC	147.255	+	T123.0	☺
LEXINGTON	KA4FEC	147.390	+		☺
LITTLE MT.	K4AVU	147.210	+		
LITTLE RIVER	KF4VGX	146.865	-		☺
MARION	KD4HTW	147.000	-	T192.8	☺

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq)
and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

S. CAROLINA REPEATERS CONTINUE

MONCKS CORNER	WD4NUN	147.150	+	T		
MOUNTAIN REST	KU4OL	147.030	-			
MYB BCH/BRKSVIL	N4LV	147.285	+			
MYR BCH/AYNOR	K4SHP	147.090	+	PROP		☺
MYR BCH/CONWAY	W4GS	145.110	-			☺
MYR BCH/CONWAY	KI4CB	145.470	-			☺
MYRTLE BEACH	W4GS	145.290	-	85.4		☺
MYRTLE BEACH	W4GS	147.120	+			☺
MYRTLE BEACH	KD4TMW	147.240	+	T85.4		☺
N. AUGUSTA	K4NAB	146.730	-	T		☺
#N. MYRTLE BEACH	N4JTH	147.030	+	UNCOR		
ORANGEBURG	KF4ATU	146.805	-	T156.7		☺
ORANGEBURG	N7GZT	146.880	-	T		
ORANGEBURG	KF4ATU	147.090	+	T156.7		☺
PAGELAND	W4APE	146.895	-			
PALMETTO	KB4RRC	147.345	+			
PAULINE	K4JLA	147.090	+			☺
PICKENS	WT4F	146.700	-	107.2		☺
PICKENS	WB4YXZ	147.000	-	151.4		
PINE RIDGE	KD4BMX	146.955	-	T162.2		☺
PUMPKINTOWN	KU4ZS	145.290	-	PROP		
ROCK HILL	K4YTZ	147.030	-			
SAVANNAH RIVER	W4ZKM	145.450	-	PROP		
SENECA/LONG MT	WA4JRJ	147.270	+			☺
SIMPSONVILLE	WA4UKX	145.250	-	PROP		☺
SIMPSONVILLE	WA4UKX	146.730	-	100.0		☺
SMOAKS	KG4LAP	145.210	-			
SPARTANBURG	K4JLA	147.315	+			☺
ST. GEORGE	K4ILT	147.045	+	103.5		☺
ST. GEORGE	W4DTW	147.225	+			☺
ST. MATTHEWS	AD4U	146.670	-	T156.7		☺
SUMMERTON	N4LWY	145.150	-			
#SUMMERVILLE	W4HNK	147.180	+	UNCOR		☺
SUMTER	K4JR	145.130	-			☺
SUMTER	K4JR	145.430	-	T156.7		☺
SUMTER	W4GL	146.640	-			
SUMTER	W4GL	147.015	+	156.7		
SUMTER/SHAW	W4VFR	147.060	+			
UNION	K4USC	145.150	-			☺
UNION	K4USC	146.685	-			☺
WALTERBORO	KG4BZN	145.390	-			☺
WALTERBORO	KG4BZN	147.135	+			☺
WHITE HALL	WA4SJS	146.910	-	156.7		☺

220 MHZ

BISHOPVILLE	K4NOC	224.860	-			☺
COLUMBIA	N7GZT	224.160	-			
COLUMBIA	N7GZT	224.640	-			
COLUMBIA	N4EOY	224.900	-			
CROSS	KB4VFD	224.580	-			
FLORENCE	N4JJ	224.940	-			☺
FORT MILL	WZ4SC	224.800	-			
GAFFNEY	KG4JIA	224.500	-	T123.0		☺
GREENVILLE	W4ILY	224.200	-			☺
GRNVL/DOWNTWN	W4NYK	224.920	-	88.5		☺
LEESVILLE	N5CWH	224.560	-	T162.2		☺
LITTLE MTN	N7GZT	224.520	-			
ORANGEBURG	N7GZT	224.180	-			
ORANGEBURG	KO4BR	224.780	-			☺
PICKENS	AC4RZ	224.280	-			
PICKENS	WB4QHF	224.400	-	T131.8		☺
PICKENS/CSRS HD	WB4QHF	224.140	-	T131.8		☺
PICKENS/SASFR MT	W4IT	224.320	-			☺
SUMTER	W4GL	224.120	-			
SUMTER/SHAW	W4VFR	224.660	-			
WEST SPRINGS	KN4CW	224.440	-			☺

440 MHZ

ABBEVILLE	KD4HEY	442.750	+	T162.2		☺
AIKEN	AC4WW	443.400	+	T107.2		
BISHOPVILLE	K4NOC	444.500	+	123.0		☺
BLUFFTON	WA4MPZ	442.675	+	100.0		☺
CHARLESTON	N4SJW	442.150	+	PROP		☺
CHARLESTON	KF4CDR	442.775	+	T		
CHARLESTON	N4MNH	444.300	+			
CHARLESTON	KD4PBC	444.950	+	103.5		
CLEMSON UNIV.	WD4EOG	444.625	+	T156.7		
CLOVER	KC4KPJ	443.725	+	127.3		
COLUMBIA	N7GZT	442.200	+	162.2		
#COLUMBIA	KF4GHC	444.200	+	UNCOR		☺
COWPENS	KE4EAN	443.625	+	T136.5		☺
EASLEY/SAS MTN	AC4RZ	444.925	+	T103.5		
FLORENCE	W4ULH	444.000	+			☺
FORT MILL	WZ4SC	443.475	+			
GAFFNEY	KF4BJO	441.875	+	T123.0		
GAFFNEY	AI4M	442.000	+	114.8		☺
GEORGETOWN	KI4CB	444.925	+	T		☺
GREELEYVILLE	KG4AQH	441.525	+	PROP		
GREENVILLE	KB4PQA	442.250	+			
GREENWOOD	W4GWD	443.900	+	107.2		☺
GRNVLE/PARIS MT	W4IQQ	443.350	+			☺
HICKORY TAVERN	AC4RZ	443.450	+	PROP		
KNIGHTSVILLE	WA4USN	441.350	+			☺
LAKE MURRAY	N4UHF	444.650	+	T		☺
LAKE WYLIE	W1WBT	444.050	+	T136.5		☺
LANCASTER	KC4AC	444.100	+			
LAURENS	KD4HLH	443.175	+	T146.2		☺
LAURENS	KF4Y	443.775	+	T141.3		
LEESVILLE	N5CWH	443.500	+	162.2		☺
LEXINGTON	N4GUP	421.250	+			
LIBERTY	N4VDE	443.975	+	PROP		
LITTLE MT	NK4W	442.975	+	T162.2		
MOUNTAIN REST	AE4PZ	442.775	+	T127.3		
MT PLEASANT	W4HNK	443.800	+	123.0		☺
MT. PLEASANT	WA4USN	441.450	+			☺
MYB BCH/BRKSVIL	N4LV	444.525	+			
MYR BCH/CONWAY	W4GS	444.675	+	T85.4		☺
MYRTLE BEACH	K2PJ	444.575	+	85.4		☺
NO. CHARLESTON	KT4YW	444.600	+			☺
ORANGEBURG	WM3O	444.975	+			☺
PACOLET	AG4VT	441.900	+	T100.0		☺
PICKENS	WT4F	442.125	+			☺
PICKENS/CSRS HD	WB4QHF	442.400	+	T127.3		☺
ROCK HILL	KI4D	443.100	+	PROP		
ROCK HILL	KC4KPJ	444.725	+	127.3		
SIMPSONVILLE	AA4LB	442.725	+	T100.0		
SPARTANBURG	KU4ZS	442.175	+	PROP		
SUMMERVILLE	KC4ED	442.300	+	T		☺
SUMTER	WZ4O	421.250	+			
SUMTER	W4GL	444.150	+	123.0		
UNION	K4USC	442.100	+			☺
WALTERBORO	KG4BZN	444.550	+	123.0		☺

900 MHZ

PICKENS	KE4PAB	927.5125	-	PROP		

TENNESSEE

10 METERS

GALLATIN/BNA	W4CAT	29.640	-	T107.2		
GREENEVILLE	WB4NKM	29.640	-			
MEMPHIS	W4ZJM	29.620	-	T*#		
SPRINGFIELD	N8ITF	29.680	-			
TELLICO PLAINS	AJ4D	29.620	-	PROP		

6 METERS

CHATTANOOGA	K4VCM	53.350	-			☺
COOKEVILLE	WA4UCE	53.190	-	PROP		
DRESDEN	KG4IBW	53.130	-	T107.2		
GALLATIN	WA4BGK	53.050	-	T114.8		
GEORGETOWN	WD4OAR	53.730	-	PROP		
GREENEVILLE	N4FV	53.010	-	100.0		
GUTHRIE (TN/KY)	KA4ZKL	53.230	-			
KINGSPORT	K4GX	53.430	-	PROP		
#KNOXVILLE	WA4YON	53.250	-	UNCOR		☺
KNOXVILLE	KB4REC	53.470	-	PROP		
KNOXVILLE	N4OQJ	53.550	-	PROP		
KNOXVILLE/RACK	W4BBB	53.770	-	100.0		☺
KNXVL/ENG MT	WB4IOB	53.150	-			☺
LAFOLLETTE	K4BGW	53.170	-	PROP		
LANEVIEW	KE4OVN	53.710	-	T107.2		☺
LEXINGTON	N5YKR	53.150	-	T100.0		
MARYVILLE	KC4PDQ	53.370	-			☺
MEMPHIS	WA4KOG	53.010	-			
MEMPHIS	K4RDK	53.550	-			
MEMPHIS	W4GMM	53.930	-	T107.2		☺
MONTEAGLE MTN	NQ4Y	53.450	-	114.8		☺
MORRISTOWN	KF4FTD	53.030	-	PROP		
MORRISTOWN	KQ4E	53.230	-			
MOUNTAIN CITY	K4DHT	53.330	-	PROP		
MT. JULIET	KB4IDC	53.330	-	PROP		
NASHVILLE	WA4BGK	53.010	-	T114.8		
OAK RIDGE	WD4GYN	53.110	-			
#ROGERSVILLE	K4GX	53.750	-	UNCOR		
SEVIERVILLE	KD4PBC	53.090	-	PROP		
SPRINGFIELD	N8ITF	53.150	-			
WAVERLY	NO4Q	53.090	-			☺

2 METERS

ALAMO	K4WWV	147.135	+			☺
ANDERSON CTY	KF4BVQ	146.700	-	T100.0		☺
ARNOLD A.F.B.	KC4FV	147.195	+			☺
ATHENS	KG4FZR	145.150	-	T141.3		☺
ATHENS	WA4PNI	145.310	-	T141.3		☺
BENTON	K4SIR	145.450	-	T		
BLOUNTVILLE	W4CBX	147.000	+			☺
BOLIVAR	AF4O	147.045	+			☺
BRADEN	WA4KOG	145.490	-			
BRISTOL	W4UD	146.670	-			☺
BRISTOL	WD4CYZ	146.880	-			
BROWNSVILLE	WF4Q	145.430	-	T107.2		☺
BROWNSVILLE	KI4BXI	146.655	-			☺
BRSTL/HOLSTN MT	K4JP	146.760	-			
BRUCETON	WF4Q	145.170	-	T107.2		☺
CARTHAGE	N4OTT	145.190	-			☺
CENTERVILLE	AG4UW	147.090	+	T123.0		
CENTERVILLE	AG4UW	147.255	+	T123.0		
CHARLESTON	KD4LDU	147.060	-	T141.3		
CHATTANOOGA	K4CMY	145.130	-			☺
CHATTANOOGA	W4AM	145.290	-	T118.8		☺
CHATTANOOGA	W4AM	145.390	-			☺
CHATTANOOGA	W4AM	146.610	-			☺
CHATTANOOGA	W4AM	146.790	-			☺
CLARKSVILLE	K4ORE	146.925	-	PROP		
CLARKSVILLE	AC4RS	147.000	+	T167.9		☺
CLARKSVILLE	KF4L	147.390	+	T123.0		
CLEVELAND	W4GZX	146.925	-			
CLEVELAND	KD4NEC	147.105	+			
CLEVELAND	WD4DES	147.180	+	T118.8		☺
COLLEGEDALE	KA6UHV	147.000	+	T131.8		☺
COLLIERVILLE	WT4E	145.330	-	T107.2		
COLUMBIA	W4GGM	147.120	+	T127.3		☺
COOKEVILLE	KK4TD	145.110	-			☺
COOKEVILLE	WA4UCE	145.430	-			
COOKEVILLE	W4HPL	147.210	+			☺
CORNERSVILLE	WB4VXX	146.625	-	107.2		
CORNERSVILLE	KF4TNP	146.805	-	114.8		
CROSS PLAINS	K4BBN	147.345	+			
CROSSVILLE	W4EYJ	146.805	-	131.8		☺
#CROSSVILLE	W8EYU	146.865	-	UNCOR		☺
CROSSVILLE	KF4HNV	146.895	-	PROP		
CUMBERLAND CITY	WD4DBJ	145.330	-			
DANDRIDGE	WD4EGD	146.895	-			☺
DAYTON	K4PHT	147.345	+			
DAYTON/RHEA CTY	K4DPD	147.390	+			☺
DICKSON	KN4HL	147.375	+			☺
DOVER	KT4WS	145.250	-	100.0		☺
DOVER	N4VIH	145.410	-	T123.0		
DYERSBURG	W4MV	146.745	-			
ELIZTON/HOLS MT	KF4ZQA	145.290	-	T100.0		☺
ERWIN/PINNACLE	W4NKW	145.250	-	T		☺
ERWIN/UNICOI	KF4BRS	147.165	+			☺
FAYETTEVILLE	W4BV	147.030	+			☺
FRANKLIN	W4XS	145.150	-			
GALLATIN	W4LKZ	147.240	+	T114.8		
GALLATIN	WD4BKY	147.270	+	T114.8		
GALLATIN	W4CAT	147.300	+	T114.8		
GERMANTOWN	W2GLJ	145.210	-			☺
GRAY	WM4T	145.110	-			
GREENBRIER	WQ4E	147.075	+	T107.2		☺
GREENEVILLE	W4WC	145.390	-			☺
GREENEVILLE	K4MFD	145.410	-	T173.8		☺
GREENEVILLE	N4FV	147.060	+	186.2		
GREENFIELD	KE4OVN	145.350	-	107.2		☺
GTLBG/COVE MTN	WA4KJH	146.850	-	T127.3		
HARRIMAN	KA4QYI	146.640	-	T100.0		
HARRIMAN	KC4WHL	146.745	-			
HENDERSON	K4TC	147.105	+	T		☺
HOWENWALD	K4TTC	146.895	-	100.0		☺
HUNTINGDON	KB4YTM	146.835	-			
JACKSON	KF4SC	145.310	-			☺
JACKSON	WF4Q	146.775	-	T107.2		☺
JACKSON	WF4Q	147.210	+	T107.2		☺
JACKSON	WB0TMC	147.270	+			
JAMESTOWN	K4NLP	147.090	+	T100.0		☺
JASPER	KD4XV	145.190	-	T127.3		
JOHNSON CITY	W4ABR	146.790	-			☺
JOHNSON CITY	KE4FH	147.270	+			☺
JONESBOROUGH	WD4OBW	146.925	-			☺
KNGSPT/BAYS MT	W4TRC	146.970	-			☺
KNOXVILLE	WB4GBI	145.170	-			
KNOXVILLE	WA4TEM	145.330	-			☺
KNOXVILLE	KB4KIE	145.370	-			
KNOXVILLE	WB4YLC	145.430	-			☺
KNOXVILLE	WB4GBI	145.470	-			
KNOXVILLE	WB4GBI	146.625	-	T100.0		
KNOXVILLE	KC4ROG	146.910	-	T		
KNOXVILLE	WB4GBI	146.940	-			
#KNOXVILLE	KD4CWB	147.000	-	UNCOR		
KNOXVILLE	WB4GBI	147.075	+			
KNOXVILLE	KD4CWB	147.195	+	PROP		
KNOXVILLE/RACK	W4BBB	145.210	-	T100.0		☺
KNOXVILLE/RACK	W4BBB	147.300	+	T100.0		☺
KNXVL/ENG MT	WB4IOB	146.730	-			☺
LAFAYETTE	KC4ECD	145.310	-	T151.4		☺
LAFOLLETTE	KA4OAK	145.130	-			
LAFOLLETTE	K4BGW	146.670	-			☺
LAFOLLETTE	KA4OAK	147.360	+			
LAKE CITY	WB4OAH	146.820	-			
LAVERNE	W4CAT	145.230	-			
LAWRENCEBURG	W4RDM	146.655	-	T		
LEBANON	W4LYR	147.105	+	T100.0		☺
LIVINGSTON	N2UP	147.045	+			☺
MANCHESTER	W4UOT	146.700	-	T114.8		☺
MARTIN	W4UTM	146.625	-	T107.2		
MARYVILLE/ALCOA	W4OLB	146.655	-			☺
MAYNARDVILLE	KB4KIE	145.230	-			
MCEWEN	NO4Q	147.225	+	114.8		☺
MCMINNVILLE	WD4MWQ	146.970	-			
MCMINVL/SHT MT	WB4LHO	145.490	-			
MCNAIRY	WF4Q	147.075	+	T107.2		☺
MEDINA	WA4RWK	146.970	-			
MEMPHIS	KF4ATY	145.130	-	T107.2		
MEMPHIS	N4ER	145.250	-	T146.2		☺
MEMPHIS	K5FE	145.410	-	T107.2		
MEMPHIS	WA4KOG	145.450	-			
MEMPHIS	WB4KQQ	146.640	-			
MEMPHIS	KE4LFZ	146.730	-	T107.2		
MEMPHIS	W4KIB	146.790	-	T107.2		
MEMPHIS	W4BS	146.820	-	T		
MEMPHIS	WA4KOG	146.850	-			
MEMPHIS	WA4KOG	146.880	-			
MEMPHIS	W4ZJM	147.000	-	T*#		
MEMPHIS	W4EM	147.030	+	T107.2		☺
MEMPHIS	WA4MQQ	147.060	+			
MEMPHIS	W4GMM	147.090	+	T107.2		☺

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

TENNESSEE REPEATERS CONTINUE

MEMPHIS	N4WAH	147.120	+	T107.2	
MEMPHIS	WA4KOG	147.180	+		
MEMPHIS	WA4ADT	147.300	+	107.2	
MEMPHIS	W4BS	147.360	+	T107.2	
MONTEAGLE MTN	NQ4Y	145.410	-	T114.8	☺
MONTEREY	W4SRX	145.270	-	PROP	
MORGAN COUNTY	WD4ORB	147.330	+	T82.5	
MORRISTOWN	KQ4E	145.450	-		
MORRISTOWN	KQ4E	147.030	+		☺
MORRISTOWN	WB4OAH	147.225	+		
#MORRISTOWN	KQ4E	147.390	+	UNCOR	
MOSCOW	KF4OID	145.110	-	107.2	
MOUNTAIN CITY	KF4RBR	145.470	-	103.5	☺
#MT PLEASANT	KF4GHD	145.450	-	UNCOR	☺
MURFREESBORO	WB4LHO	145.170	-		
NASHVILLE	KC4WPS	145.130	-	T114.8	
NASHVILLE	N4ARK	145.210	-		
NASHVILLE	WR3S	145.370	-		☺
NASHVILLE	N4ARK	145.470	-		☺
NASHVILLE	WA4PCD	146.610	-	T	☺
NASHVILLE	AF4TZ	146.640	-	T114.8	☺
NASHVILLE	AF4TZ	146.670	-	T114.8	☺
NASHVILLE	WA4PCD	146.760	-	T114.8	☺
NASHVILLE	W4SQE	146.790	-	T100.0	☺
NASHVILLE	W4AY	146.850	-	T114.8	☺
NASHVILLE	WA4PCD	146.880	-	T	☺
#NASHVILLE	NT4L	146.955	-	UNCOR	
NASHVILLE	KC4PRD	146.985	-		
NASHVILLE	AF4TZ	147.015	+	T	☺
NASHVILLE	K4AYN	147.045	+		
NASHVILLE	K4ZGA	147.180	+	T114.8	
NASHVILLE	AF4TZ	147.360	+	T	☺
NASHVILLE WEST	WA4PCD	147.150	+	T114.8	☺
NASHVL/FAIRVIEW	N4ARK	145.110	-	151.4	☺
NEWBERN	N4ZKR	145.190	-	T100.0	
NOLENSVILLE	WD4JYD	145.350	-	114.8	
OAK RIDGE	W4SKH	146.880	-		☺
OAK RIDGE	W4SKH	146.970	-		☺
OAK RIDGE	K4EAJ	147.120	+	T82.5	☺
OAK RIDGE	K4EAJ	147.150	+	T82.5	☺
OAKFIELD	WA4BJY	147.390	+	T	
OAKLAND	WA4KOG	146.940	-		
ONEIDA	KB4PNG	145.350	-	PROP	
#ONEIDA	KB4PNG	146.820	-	UNCOR	
PARIS	KC4YLL	147.165	+	T114.8	
PARIS	K4KLX	147.360	+		
PETROS/FRZ HD MT	KJ4SI	147.255	+		☺
PIGEON FORGE	KD4CLA	145.270	-	T100.0	
PIKEVILLE	KF4JPT	147.285	+		
PULASKI	WD4RBJ	147.330	+	100.0	☺
PULASKI/MUSIC MT	W4JVO	146.775	-		
PURYEAR	WA4CEX	147.165	+		
RAMER	WB4MMI	146.700	-	T107.2	
RCKWD/MT ROSVLT	KE4RX	147.015	+		☺
#RICHLAND	KF4TNP	147.390	+	UNCOR	
RIDGETOP	K4DXC	145.290	-	114.8	
RIPLEY	KE4NTL	145.230	-	T100.0	☺
ROGERSVILLE	KD4HZN	147.315	+	T114.8	☺
SALTILLO	KB4JUB	146.715	-		
SARDIS	AF4OQ	147.195	+	T94.8	
SELMER	WB4MMI	146.805	-	T107.2	
SHELBYVILLE	N4VFB	147.060	+		☺
SHILOH	WF4O	145.290	-	T107.2	☺
SHORT MTN	W4YXA	146.910	-		
SPARTA	N4ARK	147.315	+	T123.0	☺
SPARTA/WHITE	KR4BT	147.165	+	T123.0	☺
TELLICO PLAINS	KE4VQM	147.315	+	T141.3	☺
TRENTON	KN4KP	146.865	-		
UNION CITY	WA4YGM	146.700	-		
UNION CITY	WF4Q	147.015	+	T107.2	☺
WALLAND	KF4ARH	146.685	-	T88.5	☺
WARTBURG	AA4YQ	146.745	-		☺
WATERTOWN	K4EHL	146.730	-	T100.0	☺
WATERTOWN	W4LYR	146.835	-	T100.0	☺
WINCHESTER	W4UOT	146.820	-		

220 MHZ

BLOUNTVILLE	W4CBX	224.200	-		☺
CHATTANOOGA	K4VCM	224.780	-		☺
CLARKESVILLE	N4PJX	224.420	-	123.0	
CLEVELAND	KK4US	224.320	-		
CLEVELAND	W4RRG	224.920	-		☺
COALFIELD	KC4WGH	224.840	-	T88.5	☺
COLLIERVILLE	KB4YGI	224.400	-		
ERWIN	KB8FPK	224.180	-		☺
GALLATIN	W4CAT	223.980	-	107.2	
GALLATIN	KD4VUW	224.700	-		
GATLINBURG	W4UWH	224.620	-		
GREENBRIAR	WQ4E	224.800	-		☺
GREENBRIER	WQ4E	224.760	-		☺
GREENEVILLE	K4MFD	224.720	-	T173.8	☺
GREENEVILLE	W4WC	224.900	-	T100.0	☺
GREENEVILLE	WB4NKM	224.940	-		
HERMITAGE	WB4SJV	223.900	-		
JC/BUFFALO MT	KE4FH	224.780	-		☺
KNOXVILLE	WB4GBI	224.340	-		
KNOXVILLE	N4OQJ	224.380	-	100.0	
KNOXVILLE	N4KFI	224.580	-	T103.5	
KNOXVILLE	K4PCK	224.760	-		☺
KNOXVILLE/RACK	W4BBB	224.500	-	T100.0	☺
KNXVL/CROSS MT	KB4FZK	224.220	-	T100.0	
LAFOLLETTE	KA4OAK	224.280	-		
LAVERGNE	WR3S	224.360	-		☺
LEWISBURG	KF4TNP	224.100	-		
MEMPHIS	W4ZJM	223.940	-	T*#	
MEMPHIS	W4BS	224.420	-		
MEMPHIS	WA4KOG	224.780	-		
MORRISTOWN	N4RBB	224.400	-		
MORRISTOWN	KC4RGQ	224.640	-		
MURFREESBORO	KD4TZZ	224.600	-	123.0	☺
NASHVILLE	WR3S	224.160	-		
#NASHVILLE	KC4TFQ	224.440	-	UNCOR	
NASHVILLE	WR3S	224.460	-		
NASHVILLE	K4ZGA	224.480	-		
NASHVILLE	WR3S	224.660	-		
NASHVILLE	N4PYI	224.740	-	T100.0	☺
NASHVILLE	KC4PRD	224.840	-		
NASHVILLE	WA4PCD	224.940	-	T	☺
NEWPORT	AC4JF	224.560	-	T100.0	☺
ONEIDA	KB4PNG	224.140	-		
ROGERSVILLE	KD4HZN	224.480	-		☺
S. PITTSBURG	WR3S	224.760	-		
SE NASHVILLE	WR3S	224.960	-		
SEVIERVILLE	N2FUV	224.440	-	T	
SEVIERVILLE	KD4IBW	224.700	-	T100.0	
SEVIERVILLE	KD4IBW	224.800	-		
SHORT MTN.	N4PYI	224.260	-	T114.8	☺
SMITHVILLE	WR3S	223.960	-		☺
SPRINGFIELD	KO4BN	224.220	-		
SPRINGFIELD	N8ITF	224.540	-		
SWEETWATER	WD9JGI	224.900	-	T127.3	

440 MHZ

ALAMO	K4WWV	443.750	+		
ALGOOD	N2BR	444.425	+	PROP	☺
BARTLETT	K4VVM	443.700	+	T107.2	
BARTLETT	WA4PAJ	444.250	+		
BIG SANDY	W4TLB	443.600	+	114.8	☺
BLUFF CITY	KE4CCB	444.500	+	T77.0	
BRICK CHURCH	KF4TNP	443.100	+	T167.9	
CASTALIAN SPRING	KE4SWV	442.750	+	PROP	☺
CENTERVILLE	AG4VW	443.700	+	PROP	
CENTERVILLE	AG4UW	444.700	+	T107.2	
CHAT/MNTLAKE MT	KD4UWA	444.875	+	T156.7	
CHAT/WALDEN	AF4ZJ	442.425	+		☺
CHATT/HIXSON	N4WT	442.900	+		
CHATTANOOGA	WJ9J	442.025	+	T	☺
CHATTANOOGA	WJ9J	442.150	+		☺
CHATTANOOGA	KT4OL	443.125	+	PROP	
CHATTANOOGA	KT4OL	443.125	+	PROP	
CHATTANOOGA	WB4LRD	443.550	+		
CHATTANOOGA	KD4HII	443.900	+	T	
CHATTANOOGA	W4AM	444.100	+		☺
CHATTANOOGA	KE4LQY	444.150	+		
CHATTANOOGA	KD4HII	444.200	+	T	
CLARKSVILLE	KA1FFO	442.900	+	T110.9	
CLARKSVILLE	WA4BZU	444.325	+	T107.2	☺
CLEVELAND	WD4DES	442.250	+	T118.8	☺
CLEVELAND	KD4NED	442.450	+	PROP	
CLEVELAND	W4GZX	444.275	+		
COLLEGEDALE	KA6UHV	443.575	+	T131.8	☺
COLLIERVILLE	KA7UEC	443.300	+	T107.2	☺
COLLIERVILLE	KA7UEC	443.625	+	T107.2	☺
COLLIERVILLE	WT4E	444.625	+	T107.2	
COLUMBIA	W4RDM	442.725	+		
COLUMBIA	WA4AKM	444.925	+	T107.2	☺
CONCORD	KA4BNI	442.675	+	T107.2	
COOKEVILLE	WA4UCE	442.300	+	107.2	
COOKEVILLE	K4DAV	444.500	+	PROP	
COOKEVILLE	KK4TD	444.550	+	T107.2	☺
COOKEVILLE	WA4PPL	444.600	+	T107.2	
CORDOVA	WA5KUB	444.775	+	T100.0	
CROSSVILLE	WO4U	443.875	+	T88.5	☺
CROSSVILLE	W4EYJ	444.950	+	T118.8	☺
CUMBERLAND FU	KG4CEQ	442.375	+	T107.2	
DAYTON	KJ4BJ	442.075	+		☺
DEASON	WA4AWI	443.350	+	T107.2	
DECATUR	KE4MBR	442.725	+	PROP	
DOVER	N4VIH	444.925	+		
DRESDEN	KA4BNI	442.150	+	T107.2	
ETOWAH	KF4CFO	442.275	+	141.3	☺
EVA	AD4QG	443.625	+		
FRANKLIN	N4ULM	443.850	+		
FRANKLIN	WC4EOC	444.025	+	PROP	
FRANKLIN	WA4AKM	444.725	+	T107.2	☺
GALLATIN	WD4BKY	444.000	+		
GALLATIN	WD4BKY	444.350	+	T114.8	
GALLATIN	W4CAT	444.450	+	T107.2	
GALLATIN	WA4AKM	444.775	+	T107.2	☺
GATLBG/COVE MT	WA4KJH	443.300	+	T127.3	
GATLINBURG	KD4PBC	443.150	+	PROP	
GERMANTOWN	W2GLJ	444.175	+		
GOODLETTSVILLE	KC4PRD	443.125	+	107.2	
GRAY	WM4T	442.200	+	T100.0	
GREENBRIER	WQ4E	444.250	+		
GREENEVILLE	W4WC	443.200	+	100.0	
GREENEVILLE	K4MFD	444.200	+	T173.8	☺
GREENEVILLE	WB4NKM	444.650	+	T100.0	
GREENEVILLE	K4GX	444.950	+	PROP	
GREENVILLE	N4FV	442.700	+	T	
HARRIMAN	KC4WHL	442.875	+	T136.5	
HENDERSON	KE4PFW	442.275	+		
HENDERSON	KU4RT	442.575	+		
HENDERSON	K4TC	444.750	+	T	☺
HICKORY VALLEY	KA4JXT	443.125	+	107.2	☺
HIXSON	KF4VWJ	444.750	+	PROP	
HOHENWALD	K4TTC	442.000	+		☺
HOHENWALD	WB4NNX	444.850	+	T100.0	☺
HORNBEAK	KA4BNI	442.400	+	T107.2	
HUNTINGDON	KB4YTM	444.375	+		
JACKSON	KA4BNI	442.425	+	T107.2	
JACKSON	KE4CES	442.900	+	T114.8	☺
JACKSON	KI4BMD	443.825	+	T114.8	
JACKSON	KI4BMD	443.825	+	PROP	
JACKSON	WB0TMC	444.725	+	T107.2	
JAMESTOWN	KC4MJN	443.625	+	T100.0	
JASPER	KD4XV	442.050	+	T127.3	
JEFFERSON CITY	KD4TUD	444.625	+	T	
#JOHNSON CITY	WB4SQC	442.050	+	UNCOR	☺
JOHNSON CITY	KE4FH	444.100	+		☺
JOHNSON CITY/BUF	WD4ATV	421.250	+		☺
KINGSTON	K4CRS	444.025	+		☺
KNOXVILLE	WB4HAP	442.500	+	T103.5	☺
KNOXVILLE	N4UAG	443.025	+		
KNOXVILLE	KA4AZQ	443.075	+	PROP	
KNOXVILLE	KD4CWB	443.500	+	T	
KNOXVILLE	KA4AZQ	443.800	+	T100.0	
KNOXVILLE	KD4OBX	443.950	+		
KNOXVILLE	KD4CWB	444.000	+	PROP	
KNOXVILLE	KC4NNN	444.175	+	T	
KNOXVILLE	WB4GBI	444.300	+		
KNOXVILLE	KB4KSL	444.325	+		
KNOXVILLE	KC4NNN	444.425	+	T	
KNOXVILLE	KD4IBW	444.525	+	T100.0	
KNOXVILLE	KD4TZD	444.925	+		
KNOXVILLE/RACK	W4BBB	444.575	+	T100.0	☺
LAFAYETTE	KC4ECD	444.125	+	T107.2	☺
LAFOLLETTE	KB4OTK	443.700	+		☺
LAKE CITY	WD4LUR	442.800	+	T100.0	☺
LANEVIEW	KE4QVN	443.850	+	T107.2	☺
LAVERGNE	WR3S	443.975	+	T	
LEBANON	KW4LS	443.000	+	PROP	
LEBANON	WA4AWI	443.275	+	T107.2	
LEBANON	W4LYR	443.575	+	T100.0	☺
LEBANON	WA4AXH	444.275	+	T	
LENOIR CITY	KB9EBA	442.950	+	PROP	
LEWISBURG	KF4TNP	442.100	+	107.2	
LEXINGTON	KA4BNI	442.075	+	T107.2	
LEXINGTON	N5YKR	442.925	+	123.0	
LORETTO	KF4OCK	442.875	+	203.5	
MADISONVILLE	KG4FZS	442.100	+	PROP	☺
MARYVILLE	K4BTL	442.000	+		
MARYVILLE	KC4PDQ	444.075	+	100.0	☺
MARYVILLE	KF4VDX	444.700	+	T127.3	
MARYVILLE	KE4FGW	444.825	+	T100.0	
MCEWEN	KE4KNZ	443.925	+	T107.2	☺
MCKENZIE	KD4KPV	443.875	+		
MCMINNVILLE	WD4MWQ	444.850	+	T	
MCNAIRY	WF4Q	444.550	+	T107.2	☺
MEDINA	WA4BJY	442.050	+		
MEMPHIS	W4GMM	442.175	+	T107.2	☺
MEMPHIS	NU5O	442.575	+	77.0	☺
MEMPHIS	WB4EPG	442.625	+		
MEMPHIS	WF4G	442.825	+		
MEMPHIS	W4ZJM	443.000	+	T*#	
MEMPHIS	KA4JXT	443.100	+	T107.2	☺
MEMPHIS	KA4JXT	443.125	+	T	☺
MEMPHIS	W4BS	443.200	+	T107.2	
MEMPHIS	WA4QWW	443.400	+		
MEMPHIS	N4ER	443.950	+	T	☺
MEMPHIS	K4RDK	444.025	+		
MEMPHIS	KF4ATY	444.075	+	107.2	
MEMPHIS	KA4JXT	444.100	+	T	☺
MEMPHIS	KA4JXT	444.125	+	T	☺
MEMPHIS	WA4KOG	444.400	+		
MEMPHIS	N4WAH	444.500	+	T	
MEMPHIS	K0JXI	444.800	+		
MEMPHIS	K5FE	444.825	+	107.2	
MEMPHIS	K7AG	444.850	+	T107.2	
MEMPHIS	WB4NNE	444.950	+		
MILAN	WD4PAX	442.100	+		☺
MONTEAGLE MT.	NQ4Y	441.250	+		☺
#MORRISTOWN	KD4LP	444.800	+	UNCOR	
MORRISTOWN	KQ4E	444.975	+	T	
MOUNTAIN CITY	K4DHT	443.925	+	T103.5	☺
MT JULIET	N4PYI	444.400	+	T	☺
MT JULIET	N4PYI	444.750	+	T156.7	☺
MT PLEASANT	KG4GCZ	443.175	+	107.2	
MURFREESBORO	KD4TZZ	441.875	+	107.2	☺
NASHVILLE	K1YJ	442.500	+	T107.2	☺
NASHVILLE	KE4PJW	443.450	+	PROP	
NASHVILLE	W1ARN	443.725	+	T107.2	
NASHVILLE	KG4NRC	443.800	+	T123.0	
NASHVILLE	N4PYI	444.050	+	T107.2	☺
NASHVILLE	AF4TZ	444.150	+	T107.2	☺

SYMBOLS: ☺ = Full Member SERA T=Tone Accessed (plus tone freq) # and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

TENNESSEE REPEATERS CONTINUE

NASHVILLE	N4ARK	444.200	+	T	☺
NASHVILLE	N4ARK	444.225	+	T114.8	☺
NASHVILLE	WA4BZU	444.300	+	T107.2	☺
NASHVILLE	WA4BGK	444.525	+	T107.2	
NASHVILLE	WA4PCD	444.550	+		☺
NASHVILLE	WA4WCK	444.575	+	T	☺
NASHVILLE	WA4TOA	444.625	+	T107.2	☺
NASHVILLE	WA4PCD	444.675	+	T	☺
NASHVILLE	N4PYI	444.800	+	T110.9	☺
NASHVILLE	WA4AKM	444.875	+	T107.2	☺
NASHVILLE	WA4AKM	444.975	+	T107.2	☺
NEWBERN	N4ZKR	444.475	+	T107.2	
NO CITY LISTED	WC4EOC	443.875	+	PROP	
NOLENSVILLE	WA4AXH	443.650	+	T	
NUNNELY	KG4UHH	444.075	+	100.0	
OAK RIDGE	K4EAJ	444.400	+	T82.5	☺
OAKFIELD	W4ABJY	442.200	+	T	
ONEIDA	KT4PN	442.825	+		
PALMER	N4ZKR	444.700	+	T107.2	☺
PARIS	KC4YLL	442.950	+	123.0	
PARIS	AD4LR	443.675	+		
PIGEON FORGE	KD4CLA	444.350	+	T156.7	
PROSPECT	WA4AUX	444.600	+	T118.8	
PULASKI	WD4RBJ	442.150	+	118.8	☺
RAMER	WB4MMI	444.900	+	T	
RCKWOOD/OZONE	WJ9J	442.225	+		☺
ROCKWOOD	KA4WJS	443.975	+		
ROGERSVILLE	K4GX	443.350	+	T	
SELMER	KA4BNI	442.800	+	T107.2	
SEVIERVILLE	KD4IBW	443.675	+	T100.0	
SEVIERVILLE	N4CKB	444.725	+	T123.0	☺
SHELBYVILLE	WA4PZN	442.700	+	T	
SHELBYVILLE	KC4KRM	443.825	+		
SHRT MT/MURFREB	W4CAT	444.650	+	T107.2	
SMITHVILLE	N4PYI	444.825	+	T107.2	☺
SODDY DAISY	WJ9J	444.450	+		☺
SPARTA	KR4BT	444.375	+	123.0	☺
SPENCER	KA4MHJ	443.775	+	123.0	☺
SPRINGFIELD	N8ITF	442.600	+		
SPRINGFIELD	N8ITF	444.950	+	100.0	
SUMMITVILLE	N4ZKR	444.475	+	T107.2	☺
SWEETWATER	KG4KIJ	443.725	+	T	☺
TRI-CITIES	KD4PBC	443.150	+	PROP	
WATERTOWN	W4LYR	444.900	+	T100.0	☺
WAVERLY	NO4Q	442.225	+	110.9	☺
WHITE HOUSE	W4KOC	443.900	+	T107.2	☺
WHITE OAK MT	WD4OAR	442.925	+	100.0	☺
WINCHESTER	W4UOT	443.950	+	T107.2	

900 MHZ

LEWISBURG	KF4TNP	920.500	-		
MORRISTOWN	KQ4E	920.800	-		
NASHVILLE	K4ZGA	923.250	-		

1270 MHZ

LEWISBURG	KF4TNP	1285.300	-		
MEMPHIS	N4HKS	1292.000	-		
NASHVILLE	WA4AKM	1284.400	-		☺
NASHVILLE	K1YJ	1286.000	-	T88.5	☺
NASHVILLE	KD4EEW	439.250	+		
SMITHVILLE	KB4ZOE	1286.500	-		☺

VIRGINIA

10 METERS

FANCY GAP	KE4QOX	29.660	-	T123.0	
NEWPORT NEWS	W4CM	29.600	+		
STERLING PARK	KD4DN	29.680	-		

6 METERS

ALEXANDRIA	W4HFH	53.130	-		
AMELIA	WB3R	53.390	-		
BALD TOP MT	AD4CG	53.910	-		
BEDFORD/THNDR	N4TZE	53.770	-	T173.8	
BEDFRD/THAX MT	N4CH	53.150	-		
BLUEFIELD	N8RIG	53.370	-		☺
BULLRUN	K8GP	53.450	-		
CHESTERFIELD	KD4SUU	53.430	-		
DANVILLE(DCC)	WB4GJG	53.130	-	T	
FANCY GAP	WA4CQK	53.290	-	T100.0	☺
GATE CITY	N4WWB	53.210	-		
GUM SPRING	KB4MIC	53.070	-	203.5	☺
HAMPTON	WA4OHX	53.890	-		
LEXNGTN/ROCK MT	KI4ZR	53.010	-		☺
LYNCHBURG	KE4KEH	53.570	-	103.5	☺
MCCLEAN	K6LEW	53.370	-		
NEWPORT NEWS	KT4QW	53.250	-	T100	☺
PEARISBURG	KE4JYN	53.470	-	T107.2	☺
RICE	KE4SFU	53.170	-		☺
ROANOKE	N4CH	53.250	-		
ROANOKE/POOR MT	WB8BON	53.090	-		☺
ROCKY MT/FERRUM	WD4KZK	53.270	-	T107.2	
VESTA	KG4KUA	53.430	-	PROP	
WHITE TOP MTN	KB4YFV	53.650	-		

2 METERS

ABINGDN/BRMLY MT	K4JP	146.610	-		
ABINGDON	NM4L	147.345	+	T103.5	☺
ACCOMAC	K4BW	147.255	+	T156.7	☺
ALEXANDRIA	K4US	146.655	-		
ALEXANDRIA	W4HFH	147.315	+		
ALTAVISTA	WA4ISI	146.655	-		☺
AMELIA	WB3R	145.190	-		
AMELIA COURTHSE	KB4YKV	147.180	+		
AMHERST	K4CQ	145.490	-	T136.5	
ARLINGTON	WB4MJF	145.150	-		
ARLINGTON	WB4MJF	145.470	-		
ARLINGTON	KF4JPC	146.625	-		
BEDFORD	N4CH	145.230	-		
BEDFORD	WB4JBJ	147.105	+		
BEDFRD/APL ORCH	WA1ZMS	146.685	-	T100.0	☺
BIG "A" MTN	KD4TC	146.805	+	T103.5	☺
BLACKSBURG	W9KIC	146.715	-		
BLAND	N4AZJ	145.350	-	T103.5	☺
BLUEFIELD	KD8XK	145.250	-	T100.0	☺
BLUEFIELD	W8MOP	145.490	-		☺
BLUEFIELD/ONEIDA	WZ8E	146.955	-	100.0	☺
BLUEMONT	WA4TSC	147.300	+		
BOYDTON	KD4ZTK	147.240	+		
CARBO	KK4MW	147.075	-		☺
CHARLOTTESVILLE	WA4TFZ	146.760	-	T151.4	☺
CHARLOTTESVILLE	WA4TFZ	146.925	-	T151.4	☺
CHESAPEAKE	W4CAR	146.610	-		☺
CHESAPEAKE	N4SD	146.790	-		
CHESAPEAKE	W4CAR	146.820	-	T162.2	☺
CHESTERFIELD	KD4KWP	145.310	-		☺
CHESTERFIELD	KA4CBB	147.360	+		☺
CLINCHCO	KB4RFN	147.150	+	T88.5	
#CLINCHCO	WD4CYZ	147.255	+	UNCOR	
COEBURN	AD4OV	145.430	-	103.5	☺
COLONIAL HEIGHTS	KE4EUE	145.390	-	PROP	
COVINGTON	WA4HTI	146.805	-		☺
CULPEPER	AF4CY	145.410	-		
CULPEPER	W4CUL	147.120	+		
DANVILE/WHT OAK	K4AU	146.700	-	107.2	☺
DANVILLE(DCC)	WB4GJG	146.925	-	T88.5	
DUBLIN	W4CBM	146.670	-		☺
DULLES AIRPORT	W4DLS	145.310	-		
EASTVILLE	KC4KMY	147.345	+	T156.7	☺
ELK CRK/IRON MT	N4MGQ	147.240	+	T107.2	☺
ENON	WB4VWR	147.060	+	T107.2	
FAIRFAX	K4KXK	146.790	-		
FANCY GAP	NC4BL	146.970	-	T100.0	☺
FARMVILLE	KE4ZBH	145.330	-		
FARMVILLE	KE4ZBH	146.910	-		
FARMVILLE	N4CFA	146.955	-	T136.5	☺
FINCASTLE	W4WIC	146.640	-		☺
FOREST	AG4AN	146.775	-	PROP	
FRANKLIN	W4LG	147.300	+	T131.8	
FREDERICKSBUR	K4TS	147.015	+		
GALAX/BRIRP MT	W4BRC	147.090	+		☺
GARRISONVILLE	N4NW	145.270	-		
GATE CITY	N4WWB	146.820	-	T	
GLOUCESTER	W4HZL	145.370	-	T	☺
GOOCHLAND	N4TZE	147.090	+		
GREENBAY	K4ARO	145.150	-		☺
GRUNDY	K4HWQ	147.315	+		
GRUNDY/BIG A MT	KK4EH	146.835	-		☺
GUM SPRING	WB4IKL	147.270	+		☺
HAMPTON	WA4OHX	145.490	-		
HAMPTON	KG4NJA	146.670	-	173.8	☺
HAMPTON	W4QR	146.730	-		
HAMPTON	KA4VXR	147.225	+	T136.5	☺
HARRISONBURG	N4YET	145.130	-		
HARRISONBURG	N4RAG	146.895	-		
HARRISONBURG	N4RAG	147.225	+		
HARRISONBURG	N4YET	147.315	+		
HIGH KNOB MT	K4QZJ	145.210	-		
JARRATT I-95	K4SVA	146.625	-	T100.0	☺
KILMARNOCK	W4GSF	146.835	-	PROP	☺
KINGS CROSSING	N5GQD	147.150	+		
LEXINGTON	KI4ZR	147.300	+		☺
LEXNGTN/ROCK MT	KI4ZR	147.330	+		☺
LURAY	KE4JSV	147.030	+		
LYNCHBURG	KC4RBA	145.370	-	186.2	☺
LYNCHBURG	W4WWQ	146.610	-	136.5	
LYNCHBURG	AB4M	147.015	-	T131.8	☺
LYNCHBURG	KE4VNN	147.165	+	PROP	☺
LYNCHBURG	WA4RTS	147.195	+	T136.5	
MANASSAS	W4OVH	146.970	-		
MARION	N4QLF	146.640	-	T103.5	
MARTINSVILLE	KF4KVG	147.285	+	T107.2	☺
MCLEAN	W4CIA	147.210	+		
MECHANICSVILLE	W4TTL	146.805	-	PROP	
MONTEREY	WD4ITN	147.180	+	T100.0	☺
MONTPELIER	KQ4RH	145.250	-	T	
MOUNTAIN LAKE	WZ8E	146.865	+	110.9	☺
MT.LAKE/BALD KNB	K4TUE	146.910	-	107.2	☺
NEWMARKET	W3MMC	146.625	-		
NEWPORT NEWS	W4MT	145.230	-	T100.0	☺
NEWPORT NEWS	W4CM	147.165	+		
NORFOLK	WA4ZUA	145.170	-	136.5	☺
NORFOLK	W4VB	145.330	-		☺
NORFOLK	KF8PT	146.700	-	PROP	
NORFOLK	AD4ZK	147.075	+		☺
NORTON	KG4VFO	146.865	-	T103.5	
NORTON/HIGH KNB	K4AXO	147.015	-	T88.5	
PAGECO	KD4DDI	146.670	-		
PATRICK SPRINGS	WG8S	147.120	+	T107.2	☺
PEARISBURG	N4AZJ	147.135	+	T100.0	☺
PEARISBURG	W4NRV	147.375	+	T100.0	☺
PETERSBURG	KE4SCS	146.985	-	T127.3	☺
PETERSBURG	K4ARO	147.390	+		☺
PKS KB/PULASKI	N4NRV	147.180	+	T103.5	☺
PORTSMOUTH	W4POX	145.390	-	PROP	☺
PORTSMOUTH	W4POX	146.850	-		☺
QUANTICO	#W4NFR	147.345	+		
RADFORD/RINER	N3ZE	145.150	-		☺
RICHMOND	K4YPE	145.110	-		☺
RICHMOND	W4SQT	145.430	-		☺
RICHMOND	WB4QEY	146.640	-		
RICHMOND	W4RAT	146.880	-		☺
RICHMOND	W4ZA	146.940	-		☺
RICHMOND	WA4JST	147.030	-		
RICHMOND	KC4VDZ	147.135	+	T107.2	☺
ROANOKE	N2EDE	145.210	-	T107.2	☺
ROANOKE	KA4THY	145.450	-	PROP	
ROANOKE	N4AP	146.940	-		
ROANOKE/POOR MT	K4ARO	145.390	-	T107.2	☺
ROANOKE/POOR MT	K4ROA	146.745	-	T107.2	
ROANOKE/POOR MT	W4CA	146.985	-		
ROANOKE/POOR MT	KB4QWO	147.270	+		☺
RUSTBURG	N4UTN	145.290	-	T	
RUSTBURG/LONG MT	N4UTN	146.835	-	T173.8	
SALEM	WA4V	146.880	-		
SALUDA	AA4HQ	145.450	-		☺
SMITHFIELD	WT4RA	147.195	+	T100.0	☺
SOUTH BOSTON	W4HCH	145.350	-		☺
SOUTH BOSTON	KF4AGO	147.060	-		☺
SOUTH HILL	N4ZCM	145.470	-		
SPOTSYLVANIA	K4MQF	146.775	-		
STAUNTON	KD4WWF	146.700	-	T131.8	
STAUNTON	WA4ZBP	146.850	-	T131.8	
STAUNTON	W4WRN	146.970	-		
STAUNTON/EL.KB	KE4CKJ	147.045	+	T131.8	☺
STERLING	WA4TXE	146.700	-		
STUARTS DRAFT	KB4OLM	147.360	+		
SUFFOLK	W4LG	147.000	-	T100.0	
TYSONS CORNER	KF4QQP	146.910	-		
VIENNA	K4HTA	146.685	-		
VIRGINIA BEACH	WA4KXV	146.895	-		
VIRGINIA BEACH	WA4KXV	146.970	-		
VIRGINIA BEACH	WA4SBC	147.045	+		
WALKERTON	W4TTL	146.715	-		
WARRENTON	KB3BOI	145.350	-		
WARRENTON	NZ4N	147.165	+		
WARSAW	KA4ZIP	147.285	+		
WAYNESBORO	W4PNT	147.075	+		☺
WILLIAMSBURG	KF4ADM	145.410	-	127.3	☺
WILLIAMSBURG	K4RC	146.670	-	T	
WILLIAMSBURG	KB4ZIN	146.760	-		☺
WILLIAMSBURG	KB4ZIN	147.105	+		☺
WINCHESTER	KB3BOI	145.350	-		
WINCHESTER	W4RKC	146.820	-		
WOODBRIDGE	W4IY	147.240	+		
WYTH/WALKER MT	WB3T	146.895	-	T103.5	☺
WYTHEVILLE	WB3T	146.775	-	T107.2	☺

220 MHZ

ARLINGTON	WB4MJF	224.060	-		
ARLINGTON	WB4MWF	224.620	-		
BEDFORD	N4PLV	224.840	-		
BEDFRD/APL ORCH	WA1ZMS	224.180	-	T100.0	☺
BELL KNOB	WD4KHP	224.440	-		
BERRYVILLE	WD4KHP	224.400	-		
BERRYVILLE	WD4KHP	224.740	-		
BLUEFIELD	N8FWL	224.440	-	T123.0	☺
BLUEFIELD	WA8O	224.920	-		☺
BLUEMTN	KF4VED	224.160	-		
CHARLOTTESVILLE	N4HRV	224.140	-	T88.5	☺
CHARLOTTESVILLE	WA4TFZ	224.760	-		☺
CHESAPEAKE	W4LG	224.980	-	PROP	
DELTAVILLE	AA4HQ	224.900	-		☺
FAIRFAX	WB4YHD	224.100	-		
FANCY GAP	K4DQ	224.880	-	T100.0	
GLOUCESTER	W4GSF	224.620	-		☺
HAMPDEN-SYDNEY	W4JAS	224.200	-		
HAMPTON	WB4PVT	224.540	-	T100.0	☺
HARRISONBURG	N4YET	224.820	-		
HAYMARKET	WD4KHP	224.420	-		
HAYMARKET	WD4KHP	224.720	-		
LAKE GASTON	W4LG	224.600	-		
LEESBURG	N0NW	224.020	-		
LOVETTSVILLE	WB4FUJ	224.460	-		
LURAY	KE4JSV	224.360	-		
LYNCHBURG	AB4M	224.280	-		☺
MANASSAS	W4OVH	224.660	-		
MARTINSVILLE	K4RCA	224.500	-		☺
NORFOLK	KC4JGC	224.740	-	T100.0	
NORTON/HIGH KNB	WD4GSM	224.420	-		
PATRICK SPRINGS	WG8S	224.420	-	T103.5	☺
PEARISBURG	KQ4Q	224.860	-	107.2	
PETERSBURG	K4ARO	224.700	-		☺
RIDGEWAY	WS4W	224.380	-	T	
ROANOKE	N4CH	224.100	-		

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . conclude!

VIRGINIA REPEATERS CONTINUE

ROANOKE	N2EDE	224.940	-	T107.2	☺
ROANOKE/TINKER	K4YDG	224.900	-		☺
STAUNTON/EL KNOB	KE4CKJ	224.300	-	T131.8	☺
TYSONS CORNER	KM4OI	224.340	-		
TYSONS CORNER	WD4KHP	224.420	-		
WAYNESBORO	KA4RCL	224.680	-	T131.8	
WINCHESTER	N3HXT	224.220	-		
WOODBRIDGE	W4IY	224.780	-		
WYTHEVILLE	K4YW	224.560	-	T77.0	

440 MHZ

ABINGDON	KB8KSP	442.975	+	T100.0	☺
ABINGDON	WB3T	444.025	+	T103.5	☺
ACCOMACK	K4BW	444.300	+	T156.7	☺
ALTAVISTA	WA4ISI	444.425	+	100.0	☺
AMELIA	KB4YKV	443.200	+		
ARLINGTON	KD4DSX	448.625	-		
ARLINGTON	W8HNT	449.325	-		
ARLINGTON	WB4MJF	444.150	+		
ARLINGTON	K4AF	444.550	+		
BEDFORD	N4CH	444.350	+		
BEDFRD/APL ORCH	WA1ZMS	442.650	+	T100.0	☺
BEDFRD/APL ORCH	WA1ZMS	443.800	+	T100.0	☺
BELL KNOB	WD4KHP	449.825	-		
BENT MT	K4YD	443.675	+	T107.2	☺
BERRYVILLE	WB2KPH	447.475	-		
BIG A MTN	KB4WTP	444.875	+		☺
BLUEFIELD	W8MOP	442.450	+		☺
BLUEFIELD	W8MOP	444.450	+		☺
BLUEFIELD	WZ8E	444.625	+		☺
BLUEMONT	WA4TSC	449.925	-		
BLUEMONT	WA4TSC	449.925	-		
BULL RUN MT	WA3KOK	447.775	-		
CHARLOTTESVILLE	KF4UCI	442.075	+	151.4	☺
CHARLOTTESVILLE	WA4TFZ	444.250	+	T151.4	☺
#CHARLOTTEVILLE	KF4UCI	444.775	+	UNCOR	☺
CHESAPEAKE	W4CAR	444.000	+	T162.2	☺
CHESTERFIELD	WA3KOK	433.075	+	PROP	
CHESTERFIELD	KA4CBB	442.150	+		☺
CHESTERFIELD	WA3KOK	442.450	+	PROP	
CHRISTIANSBURG	WD4BSB	444.650	+	PROP	☺
COPPER RIDGE	KB4WTP	444.550	+	PROP	☺
COVINGTON	WA4PGI	442.250	+	T100.0	☺
DALE CITY	N8BOR	443.100	+		
DANVILE/WHT OAK	K4AU	444.700	+		☺
DANVILLE	KQ4I	443.850	+		☺
DISMAL PEAK	WB3T	443.325	+	T103.5	☺
ENON	WB4VWR	444.200	+		
FAIRFAX	K4HTA	448.375	-		
FAIRFAX	WD4KHP	449.775	-		
FALLS CHURCH	WB4UNB	447.425	-		
FALLSCHURCH	KF4LWJ	444.300	+		
FANCY GAP	WD4ICX	433.200	+		
FANCY GAP	WB3T	444.050	+	T103.5	☺
FANCY GAP	N4OWU	444.375	+	T107.2	
FANCY GAP	WA4CQK	444.900	+	T100.0	☺
FANCY GAP	KD4FWS	444.925	+	100.0	
FOREST	AG4AN	442.475	+	PROP	
FRONT ROYAL	N4MKH	449.225	-		
GASBURG	W4LG	442.000	+		
GATE CITY	N4WWB	444.700	+		
GLOUCESTER	N4XND	421.250	+		
GRETNA/SMITH MT	KD4TBC	444.075	+	T123.0	
GUM SPRING	KB4MIC	442.800	+		☺
HAMPTON	KG4NJA	443.650	+	PROP	☺
HAMPTON	WA4OHX	443.750	+	100.0	
HAMPTON	W4QR	444.550	+	T167.9	
HARRISONBURG	N4YET	444.600	+		
HAYMARKET	KT4ER	448.325	-		
HAYMARKET	N3AUY	449.025	-		
HERNDON	N4LXI	443.000	+		
HIGHKNOB	N1TXI	447.725	-		
HILLSVILLE	KB4YFV	442.125	+	T103.5	
INDEPENDENCE	W4RCT	443.375	+	T103.5	☺
JONESVILLE	WB4IVB	442.575	+	T100.0	
LEXINGTON	KI4ZR	444.300	+		☺
LEXNGTN/ROCK MT	KI4ZR	444.150	+		☺
LORTON	WD4KHP	449.725	-		
LYNCHBG/JACK MT	KF4YI	442.400	+	T107.2	
LYNCHBRG/TOB MT	K4CQ	444.500	+	T136.5	
LYNCHBURG	K4CQ	420.050	+	136.5	☺
LYNCHBURG	K4CQ	923.250	-		
LYNCHBURG	KE4VNN	442.350	+	T136.5	☺
LYNCHBURG	AB4FU	442.950	+	T	☺
LYNCHBURG	KC4RBA	443.450	+	186.2	☺
LYNCHBURG	N4TZE	444.000	+	T103.5	
LYNCHBURG/T.ROW	N4IFC	442.200	+	T103.5	
MADISON	N8HON	444.400	+		
MANASSAS	W4OVH	442.200	+		
MARION	WB3T	443.125	+	T103.5	☺
MARTINSVILLE	KF4RMT	443.825	+	T107.2	
MEADOWS OF DAN	WG4R	444.250	+	T103.5	☺
NEWPORT	K4TUE	441.950	+	PROP	
NEWPORT NEWS	W4MT	442.900	+	T100.0	☺
NORFOLK	W4VB	442.950	+	131.8	☺
NORFOLK	AD4ZK	444.475	+	T127.3	☺
NORFOLK	WD4MIZ	444.675	+	T107.2	
OILVILLE	KB4MIC	444.800	+		☺
PATRICK SPRINGS	WG8S	443.175	+		☺
PATRICK SPRINGS	KC3FB	443.750	+	T77.0	
PEARISBURG	K4IJ	444.675	+	PROP	
PEARISBURG	N4AZJ	444.975	+	T103.5	☺
PETERSBURG	K4ARO	442.600	+		☺
PETERSBURG	WB4KZI	443.825	+		
PORTSMOUTH	W4POX	443.800	+		☺
POUND	KF4VDF	444.850	+	T103.5	
POWHATAN	KN4YM	443.100	+		
#PRINCE GEORGE	W4RDF	444.275	+	UNCOR	
PULASKI	KE4CIF	442.775	+	T	
QUANTICO	N3QEM	447.975	-		
RICHMND/CHLTVL	N4EHJ	444.650	+		☺
RICHMOND	WA4AYB	441.600	+	PROP	
RICHMOND	KC4VDZ	442.300	+	T114.8	☺
RICHMOND	W4RAT	442.550	+	T127.3	☺
RICHMOND	AB4SF	444.850	+	T	☺
ROANOKE	K4IJ	441.775	+	PROP	
ROANOKE	K4ARO	442.600	+	T	☺
ROANOKE	W7CP	442.700	+	T	
ROANOKE	K4NRW	444.175	+	T103.5	
ROANOKE	K4IJ	444.275	+	PROP	
ROANOKE	WB3T	444.325	+	T103.5	☺
ROANOKE/MILL MT	WD4KZK	442.750	+	T107.2	
ROANOKE/POOR MT	W4CA	442.500	+		
ROANOKE/POOR MT	KA4IXK	442.850	+		☺
ROANOKE/READ MT	WD4KZK	444.850	+	T107.2	
ROANOKE/TINKER M	WB8BON	444.925	+		☺
SILER	WA4RS	449.175	-		
SLINGS GAP	WD4KZK	444.775	+	T107.2	
SOUTH BOSTON	KF4AGO	443.925	+		☺
SOUTH BOSTON	W4HCH	444.625	+		☺
SOUTH HILL	KD4MJO	443.525	+	100.0	☺
SPOTSYLVANIA	N2XHZ	447.875	-		
SPOTSYLVANIA	KD4QNA	442.700	+		
SPOTSYLVANIA	K4MQF	442.850	+		
STAFFORD	K4HR	444.450	+		
STAUNTON	WA4ZBP	444.825	+	T131.8	
STAUNTON/EL KNOB	KE4CKJ	444.100	+	T131.8	☺
STERLING	WA4TXE	442.100	+		
STUARTS DRAFT	KB4OLM	444.050	+		
TYSONS CORNER	KA3RQR	447.025	-		
TYSONS CORNER	KM4FI	443.500	+		
VESTA	KF4RMT	442.725	+	T107.2	
VIENNA	N4KOU	444.850	+		
VIRGINIA BEACH	WA4KXV	444.950	+		
WAYNESBORO	N3XA	426.250	+		
WHITETOP MT	KM4X	443.000	+	T103.5	☺
WILLIAMSBURG	N4ARI	443.550	+	T100.0	☺
WILLIAMSBURG	KB4ZIN	444.100	+		☺
WILLIS	W4DUM	443.875	+		
WINCHESTER	W4RKC	448.775	-		
WINCHESTER	W4RKC	448.775	-	146.2	☺
WINCHESTER	W3CSG	442.000	+		
WINTERGREEN	K4CQ	444.550	+	T136.5	
WOODBRIDGE	W4IY	444.900	+		
WYTHE/WALKER MT	WB3T	442.000	+	T103.5	☺
WYTHEVILLE	W4VSP	442.175	+	T103.5	
WYTHEVILLE	WB3T	442.525	+	103.5	☺

900 MHZ

ALEXANDRIA	WA4CCF	919.600	-		
BEDFRD/APL ORCH	WA1ZMS	921.100	-	T100.0	☺
CULPEPER	KA4DCS	919.400	-		
FANCY GAP	N4JNE	927.4875-		PROP	
LYNCHBRG/TOB MT	K4CQ	921.000	-	T100.0	
ROANOKE/POOR MT	WD4KZK	919.500	-	107.2	
TYSONS CORNER	K6LEW	919.500	-		
WOODBRIDGE	KA4DCS	919.800	-		

1270 MHZ

BEDFRD/APL ORCH	WA1ZMS	1283.100	-	T100.0	☺
ROANOKE/POOR MT	N4CH	1291.020	-		

2.4GHz

BEDFRD/APL ORCH	WA1ZMS	2411.600	+		☺

WEST VIRGINIA

10 METERS

BECKLEY	KA8OTX	29.620	-		
BECKLEY	KE4QOX	29.680	-	T88.5	☺
CHARLESTON	WB8CQV	29.640	-	203.5	
RICHWOOD	WA8YWO	29.660	-	T100.0	

6 METERS

ALDERSON	WV8BD	53.190	-		☺
BECKLEY	N8FWL	53.170	-	T123.0	☺
BECKLEY	WB8YST	53.590	+	T107.2	☺
CEREDO	KC8PFI	53.870	-		
CHARLESTON	WB8YST	53.630	-	T107.2	☺
FLATWOODS	N8CQQ	53.110	-	PROP	
GASSAWAY	AB8WB	53.210	-	T123.0	
LEWISBURG	KC8LRN	53.930	-	T131.8	☺
MARMT/CHARLSTN	N8PEI	53.750	-	T141.3	
RICHWOOD	WB8YST	53.710	-	T107.2	☺
RICHWOOD	WA8YWO	53.830	-	T100.0	
SHIRLEY	KB8TJH	53.310	-		
SNOWSHOE	KC8CSE	53.330	-	T156.7	☺

2 METERS

AMBER RIDGE	KB8NJH	147.210	+	T107.2	☺
ANSTED	NM8T	146.790	-	100.0	☺
BECKLEY	KC8AFH	146.700	-	123.0	☺
BECKLEY	N8FWL	147.360	+	T123.0	☺
BECKLEY/BOLT MT	WV8B	145.170	-	T100.0	
BECKLEY/EOC	WV8BD	145.370	-		☺
BECKLEY/FLAT TOP	WV8BD	146.850	-		☺
BECKLEY/LAYLAND	N8FCJ	145.310	-	T100.0	
BECKLEY/OAK HILL	N8FWL	145.230	-	T100.0	
BERKELEY SPRINGS	KK3L	146.745	-		
BIRCH RIVER	N8FMD	145.270	-	T103.5	☺
BRIDGEPORT	WB8DKM	147.120	+	T	☺
BUCKHANNON	N8FHE	145.410	-		☺
BUCKHANNON	N8ZAR	146.850	-		
BUCKHANNON	N8ZAR	147.060	+	123.0	
CAPON MT	N8YIB	147.435	-		
CHARLESTON	W8GK	145.350	-	91.5	☺
CHARLESTON	WB8YST	145.430	-	T107.2	☺
CHARLESTON	WB8CQV	146.820	-	T192.8	
CHARLESTON	W8XF	147.000	-	T91.5	☺
CHARLESTOWN	N8EIV	146.985	-		
CLARKSBURG	N8FMD	146.685	-	T103.5	☺
CLARKSBURG	N8FMD	147.210	+	T103.5	☺
COWEN	KC8ECX	146.835	-	110.9	
DANVILLE	WB8NAM	146.685	-	T	
DAVIS	KE8MR	147.135	+	T103.5	☺
ELKINS	N8FMD	145.230	-	T103.5	☺
ELKINS	KB8BWZ	146.775	-		
FAIRMONT	W8SP	145.350	-	T103.5	
FENWICK	KD8AB	146.940	-		
FLAT TOP/WINTRPL	WV8B	146.625	-	T100.0	
FLATWOODS	N8ZPX	146.655	-	T123.0	
FRANKLIN	W3RUA	147.345	+		☺
FROST	N8RV	145.110	-	107.2	☺
GASSAWAY	WB8MZI	146.610	-		
GASSAWAY	AB8WB	147.240	+	T123.0	
GLENVILLE	N8OYY	145.130	-	103.5	
GLENVILLE	WB8WV	145.290	-	91.5	
GRAFTON	K8VE	146.820	-	T103.5	
GRAFTON	WD8LNB	147.375	+	118.8	☺
HARISVL/PENSBRO	WB8NSL	147.300	+	T107.2	
HARPER'SFERRY	KB3BOI	145.350	-		
HINTON	KC8CNL	147.255	+	100.0	☺
HUNTINGTON	WB8FEQ	145.210	-	162.2	
HUNTINGTON	W8VA	146.760	-	T131.8	☺
HUNTINGTON	N8OLC	146.985	-	T131.8	
HUNTINGTON/CHAS	N8HZ	146.640	-		☺
IAEGER	N8SNW	146.655	-	T203.5	
KEYSER	N8RCG	147.390	+	123.0	☺
#LENORE	AI4UK	145.390	-	UNCOR	
LEON	WD8OHX	147.180	+		
LEWISBURG	WB8SPW	146.730	-	T100.0	
LEWISBURG	N4RAG	146.760	-	T131.8	
LEWISBURG	WV8D	147.390	+	T100.0	
LOGAN SOUTH	NV8H	147.195	+	100.0	☺
LOGAN/SUMERCO	KB8QXP	147.345	+	T100.0	☺
LOGAN/WRD RK MT	KC8CPK	146.970	-	T100.0	☺
MADISON	WB8NAM	147.120	+	T	
MARLINTON	N4RAG	147.090	+	131.8	
MARTINSBURG	WA8FSE	145.150	-		
MARTINSBURG	WB8YZV	147.255	-		
MARTINSBURG	K3MAD	147.345	+		
MCMECHEN	N8BQ	146.910	-		☺
MIDDLEBOURNE	WV8TC	147.360	+	T110.9	☺
MOOREFIELD	KD4SZR	145.190	-		
MORGANTOWN	K8LG	145.430	-		
MORGANTOWN	W8CUL	146.760	-		☺
MORGANTOWN	KE8MR	147.075	+	T103.5	☺
MT. ZION	N8LGY	145.450	-	T107.2	☺
MULLENS	KC8IT	147.030	+		
NEW MARTINSVILE	KF8LL	146.985	-		
PARKERSBURG	WV8G	145.490	-		
PARKERSBURG	WC8EC	147.255	+		☺
PARKERSBURG	WD8CYV	147.390	+	T141.3	
PARKERSBURG (OH)	N8NBL	146.970	-		
PARSONS	K8VNQ	145.370	-	T118.8	☺
PHILIPPI	K8VE	145.150	-	103.5	☺
PINEVILLE	W8LG	147.285	+		
PRINCETON	KA8PNC	147.060	-		☺
PRINCETON	WB8NRK	147.225	+	T114.8	☺
PRINCETON/PIPEST	WD8OGY	146.925	-		
RAVENSWOOD	WD8JNU	146.670	-		
RED HOUSE	WV8AR	145.410	-	T123.0	☺
RICHWOOD	WB8YJJ	145.190	-	T	
RICHWOOD	AA8TH	147.015	+	T	
RICHWOOD	KB8YDG	147.150	+	T100.0	☺
ROCKPORT	KC8TLG	147.135	+	T123.0	
SALT ROCK	K8SA	145.110	-	T110.9	
SCOTT DEPOT	WV8AR	147.270	+	123.0	☺
SHIRLEY	KB8TJH	145.310	-	T	
SKYLINE	K7SOB	147.360	+	T127.3	
SMITHERS	NM8T	147.075	-		☺
SO. CHARLESTON	WB8CQV	146.880	-	203.5	
SPENCER	KA8AUW	147.105	+	100.0	☺
SPRUCE KNOB	N8HON	147.285	+		☺
ST.MARYS/BENS RG	WB8ECC	147.030	+		
SUMMERSVILLE	N8YHK	145.470	-	100.0	

WEST VIRGINIA REPEATERS CONTINUE

TERRA ALTA	KD8ZR	147.000	+	T
UNION	W8IFL	145.410	-	T100.0
WEBSTER SPRINGS	K8VE	146.955	-	PROP
WEIRTON	W8CWO	146.940	-	
WELCH	K8KRS	145.450	-	
WESTON	WD8EOM	145.390	-	
WESTON	KA8TCF	147.165	+	
WHEELING	KA8YEZ	145.190	-	156.7
WHEELING	W8ZQ	146.760	-	
WILLIAMSON	WR8M	145.330	-	T100.0

220 MHZ

ANSTED	N8FWL	224.840	-	123.0
BECKLEY	N8FWL	224.240	-	T123.0
BECKLEY - SOUTH	N8FWL	224.740	-	PROP
BECKLEY - WEST	N8FWL	224.540	-	123.0
BECKLEY/OAK HILL	N8FWL	224.340	-	T123.0
BERKELEY SPRINGS	KA3VLG	224.700	-	
CHARLESTON	WB8YST	224.360	-	107.2
CHARLESTON	WS8L	224.700	-	T123.0
CRAIGSVILLE	KC8LRN	224.480	-	T91.5
FLAT TOP/WINTRPL	WV8B	224.120	-	100.0
GREENBANK	KC8CSE	224.560	-	PROP
HILLSBORO	KC8LRN	224.220	-	T131.8
HINTON/BECKLEY	N8FWL	224.640	-	123.0
#LEON	WD8OHX	223.780	-	UNCOR
LEWISBURG	N8FWL	224.140	-	PROP
LEWISBURG	KC8LRN	224.800	-	T131.8
SLATY FORK	KC8LRN	224.720	-	91.5
SUTTON	W8COX	224.400	-	T123.0
WILLIAMSON	WR8M	224.140	-	

440 MHZ

ALDERSON/SAM BLK.	N8LVE	444.400	+	T100.0
BECKLEY	N8FWL	443.050	+	T123.0
BECKLEY	N8LVE	444.125	+	T
BECKLEY/BOLT	W8LG	443.225	+	
BECKLEY/OAK HILL	WB8YST	444.525	+	T110.9
BECKLEY/OAK HILL	WV8B	444.800	+	100.0
BECKLY/OAK HILL	KE4QOX	443.100	+	T107.2
BELINGTON	N8SCS	444.900	+	141.3
BERKELEY SPRINGS	WA3KOK	442.450	+	
BLUEFIELD	WZ8E	443.625	+	100.0
BUCHANNON	K8VE	449.475	-	T146.2
BUCKHANNON	N8ZAR	444.250	+	
CERedo	KC8PFI	443.600	+	
CHARLESTON	KB8QKM	442.925	+	71.9
CHARLESTON	WS8L	443.300	+	T123.0
CHARLESTON	WV8AR	444.225	+	T123.0
CHARLESTON	WB8YST	444.350	+	T107.2
CHARLESTON	N8RKU	444.825	+	T123.0
CLARKSBURG	N8FMD	444.175	+	T103.5
CRAIGSVILLE	KC8SDN	443.650	+	T123.0
DANS MT	N8YIB	145.330	+	
DUNMORE	KC8CSE	444.275	+	123.0
FAIRMONT	W8SP	443.875	+	
FLATWOODS	KC8SDN	443.075	+	123.0
FLATWOODS	W8FES	444.200	+	
GASSAWAY	AB8WB	444.675	+	T123.0
GILBERT	KB8PCW	442.725	+	T
GLENVILLE	KA8ZXP	444.325	+	
HERNSHAW	WB8CQV	444.700	+	203.5
HUNTINGTON	WA4GSS	421.250	+	
HUNTINGTON	N8HZ	443.000	+	
HUNTINGTON	KB8TGK	443.850	+	T88.5
HUNTINGTON/CHAS	WB8ZER	444.850	+	T131.8
HURRICANE	K8OJC	444.075	+	
KEYSER	N8RCG	444.125	+	103.5
LEWISBURG	KF8FO	444.725	+	T103.5
MORGANTOWN	K8LG	444.700	+	
MORGANTOWN	W8CUL	444.800	+	
MULLENS	KC8IT	444.000	+	
OAK HILL	KA8OTX	443.800	+	
PARKERSBURG (OH)	N8ILO	444.100	+	
PENNSBORO	WB8NSL	442.850	+	T103.5
PRINCETON	KB8UJG	443.700	+	T123.0
RICHWOOD	K8VKB	442.275	+	123.0
RICHWOOD	KC8SDN	443.375	+	T123.0
RICHWOOD	KB8YDD	443.475	+	
RICHWOOD	KC8AUY	443.575	+	T
RICHWOOD	KC8SDN	443.625	+	T123.0
ROCKPORT	N8LHL	443.350	+	T123.0
SHIRLEY	KB8TJH	444.425	+	T
SO. CHARLESTON	WB8CQV	444.950	+	203.5
ST. ALBANS	K8MHR	443.150	+	
WELCH	N8SNY	443.725	+	
WESTON	N8FIP	443.975	+	
WESTON	KA8TCF	444.600	+	
WHEELING	KB8QHO	421.250	+	
WHEELING	KA8YEZ	443.025	+	77.0HZ
WHEELING	N8EKT	444.975	+	

Limited FULL MEMBERS FROM NON-SERA STATES

10 METERS

CHESTER, PA	W3PS	29.520	+	T156.7

6 METERS

CONCORD, NH	KA1OKQ	53.590	-	71.9

2 METERS

CHESTER, PA	W3PS	147.315	+	TT156.7
CONCORD, NH	KA1OKQ	147.225	+	T100.0
DELAND, FL	KD4UTV	147.045	+	T103.5
OCEAN CITY, NJ	W3PS	147.285	+	T156.7
VINELAND, NJ	AA2LD	147.135	+	T156.7
WINCHESTER, VA	W4RKC	146.820	-	

220 MHZ

CHESTER, PA	W3PS	224.960	-	T156.7
CONCORD, NH	KA1OKQ	224.800	-	T103.5
EAGLEVILLE, PA	W3PS	224.680	-	T156.7
MILLVILLE, NJ	AA2LD	223.960	-	T156.7
OCEAN CITY, NJ	W3PS	223.980	-	T156.7
POTTSTOWN, PA	W3PS	224.400	-	T156.7

440 MHZ

CHESTER, PA	W3PS	443.050	+	T156.7
CONCORD, NH	KA1OKQ	448.775	-	T82.5
MADISON, VA	N8HON	444.400	+	
MCKINNEY, TX	KF5TU	442.350	+	T100.0
PEMBROKE, NH	KA1OKQ	444.150	+	
PETERBORO, NH	KA1OKQ	443.350	+	T110.9

900 MHZ

CHESTER, PA	W3PS	927.4875	-	
EAGLEVILLE, PA	W3PS	927.5125	-	
OCEAN CITY, NJ	W3PS	927.5375	-	

1270 MHZ

CHESTER, PA	W3PS	1240.000	+	

SYMBOLS: ☺ = Full Member SERA T = Tone Accessed (plus tone freq)
and/or UNCOR = Uncoordinated PROP = Proposed Rptr: Under Const.

SERA REPEATER INDEX LISTINGS BY FREQUENCY

10 METERS

29.6200 / 29.5200

W3PS	CHESTER, PA	156.7	ZZ

29.6000 / 29.6000

W4CM	NEWPORT NEWS		VA

29.52 0 / 29.6200

KF4XH	#MACON		GA

29.5200 / 29.6200

KQ4XL	MONROE		GA
K4XYZ	BUCKHORN LAKE	103.5	KY
KC4XE	WILKESBORO		NC
WB4IUY	ZEBULON		NC
W4ZJM	MEMPHIS	*#	TN
AJ4D	TELLICO PLAINS	141.3	TN
KA8OTX	BECKLEY		WV

29.5400 / 29.6400

KK4CZ	LOUISVILLE		KY
KB5MPW	BAY SAINT LOUIS	136.5	MS
KE4QOX	HIGH POINT	103.5	NC
W4CAT	GALLATIN/BNA	107.2	TN
WB4NKM	GREENEVILLE		TN
WB8CQV	CHARLESTON	203.5	WV

29.5600 / 29.6600

WR4MG	WARNER ROBINS		GA
K4GRW	NEWPORT		NC
N4JEH	ROCKY MOUNT		NC
W4GL	SUMTER		SC
KE4QOX	FANCY GAP	123.0	VA
WA8YWO	RICHWOOD	100.0	WV

29.5800 / 29.6800

AI8H	CONYERS		GA
N4BZJ	DALTON		GA
KB0Y	VALDOSTA	141.3	GA
KA4UHL	INGLE	146.2	KY
WW4DC	THOMASVILLE	88.5	NC
N8ITF	SPRINGFIELD		TN
KE4QOX	BECKLEY	88.5	WV

6 METERS

52.5500 / 51.5500

WB4JEH	#CONYERS	151.4	GA

51.2000 / 51.7000

WA4YNZ	#CUMMING		GA

51.2400 / 51.7400

KI4AWK	THOMASVILLE		GA

51.4400 / 51.9400

KC5BMJ	KINGSLAND	82.5	GA

53.0250 / 52.0250

WB4LBR	LOUISVILLE		KY

52.5250 / 52.5250

WW4DC	THOMASVILLE	88.5	NC

52.0100 / 53.0100

W3LAP	COCHRAN	77.0	GA
WA4YNZ	#ROSWELL		GA
KC4QK	ASHLAND	107.2	KY
N5EKR	ELLISVILLE		MS
KE4QOX	THOMASVILLE	88.5	NC
N4FV	GREENEVILLE	100.0	TN
WA4KOG	MEMPHIS		TN
WA4BGK	NASHVILLE	114.8	TN
KI4ZR	LEXNGTN/ROCK MT.		VA

52.0300 / 53.0300

W4WTA	AUGUSTA		GA
K4ITL	RALEIGH		NC
AB4OE	BLACKSBURG	123.0	SC
KF4FTD	MORRISTOWN		TN

52.0500 / 53.0500

KC4JNN	BISKEY MT.	100.0	GA
AB5MU	NETTLETON	192.8	MS
N4JEH	ROCKY MOUNT		NC
WA4PXV	SPRUCE PINE	151.4	NC
WA4BGK	GALLATIN	114.8	TN

52.0700 / 53.0700

WB4AEG	CARTERSVILLE	123.0	GA
KB4PTJ	WILLIAMSBURG	100.0	KY
KD4FWS	MT.AIRY/FANCY GP	100.0	NC
KB4MIC	GUM SPRING	203.5	VA

52.0900 / 53.0900

KD4DKW	ATL/MARIETTA	151.4	GA
N4ALG	NICHOLASVILLE	103.5	KY
KF4IXW	REELSBORO	162.2	NC
K4NOC	BISHOPVILLE		SC
KD4PBC	SEVIERVILLE		TN
NO4Q	WAVERLY		TN
WB8BON	ROANOKE/POOR MT		VA

52.1100 / 53.1100

W4GR	LAWRENCEVILLE	82.5	GA
KC4YOT	GASTONIA		NC
KD4BGD	LUMBERTON		NC
K4SER	TARBORO		NC
WD4GYN	OAK RIDGE		TN
N8CQQ	FLATWOODS		WV

52.1300 / 53.1300

N4BZJ	DALTON		GA
N4EQT	LAWRENCEBURG	107.2	KY
W4FOT	HENDERSONVILLE	100.0	NC
KG4IBW	DRESDEN	107.2	TN
W4HFH	ALEXANDRIA		VA
WB4GJG	DANVILLE(DCC)		VA

52.1500 / 53.1500

KA5WZY	ATLANTA		GA
K4USC	UNION		SC
WB4IOB	KNXVL/ENG MT		TN
N5YKR	LEXINGTON	100.0	TN
N8ITF	SPRINGFIELD		TN
N4CH	BEDFRD/THAX MT		VA

52.1700 / 53.1700

WW4DC	THOMASVILLE	88.5	NC
K4BGW	LAFOLLETTE		TN
KE4SFU	RICE		VA
N8FWL	BECKLEY	123.0	WV

52.1900 / 53.1900

W4BAD	RALEIGH		NC
KN4AS	LITTLE MOUNTAIN	156.7	SC
WA4UCE	COOKEVILLE		TN
WV8BD	ALDERSON		WV

52.2100 / 53.2100

N1KDO	MARIETTA	79.7	GA
N4QLX	SAURATOWN MT		NC
AD4U	ORANGEBURG		SC
N4WWB	GATE CITY		VA
AB8WB	GASSAWAY	123.0	WV

52.2300 / 53.2300

KD4RUB	WARM SPRINGS	97.4	GA
KD4JFN	PITTSBORO	107.2	NC
KA4ZKL	GUTHRIE (TN/KY)		TN
KQ4E	MORRISTOWN		TN

52.2500 / 53.2500

KF4BMG	MARIETTA	79.7	GA
KI4D	ROCK HILL	123.0	SC
WA4YON	#KNOXVILLE		TN
KT4QW	NEWPORT NEWS	100	VA
N4CH	ROANOKE		VA

52.2700 / 53.2700

KC4CBQ	HIAWASSEE	186.2	GA
KA4UHL	NANCY	100.0	KY
WD4BQW	ASHEVILLE		NC
N5CWH	LEESVILLE	162.2	SC
WD4KZK	ROCKY MT/FERRUM	107.2	VA

52.2900 / 53.2900

K4PLM	#PINE LOG MT.	198.2	GA
KF4UAQ	LOUISVILLE		KY
KF4SXO	CHESTER		SC
WA4CQK	FANCY GAP	100.0	VA

52.3100 / 53.3100

AB4JJ	WEST JEFFERSON	100.0	NC
K4SER	WILLIAMSTON		NC
KG4BZN	WALTERBORO	123.0	SC
KB8TJH	SHIRLEY		WV

52.3300 / 53.3300

KD4FVI	CRAWFORD	88.5	GA
AD4CC	HIGHLAND HEIGHTS	123.0	KY
W4TLP	CLINTON		NC
K4DHT	MOUNTAIN CITY	100.0	TN
KB4IDC	MT. JULIET	100.0	TN
KC8CSE	SNOWSHOE	156.7	WV

52.3500 / 53.3500

WR4AMS	DORTON		KY
WR4BEG	SOPHIA/RANDLEMAN		NC
K4VCM	CHATTANOOGA		TN

52.3700 / 53.3700

W4ZO	MONROE	100.0	NC
KD4MYE	YOUNGSVILLE		NC
KC4PDQ	MARYVILLE		TN
N8RIG	BLUEFIELD		VA

52.3900 / 53.3900

KF4XH	#MACON		GA
KE4RKF	WAYNESBURG	100.0	KY
AB4JJ	WEST JEFFERSON	100.0	NC
WB3R	AMELIA		VA

52.4100 / 53.4100

WA1YYN	EFLAND	107.2	NC
KO4MZ	GVL/CSR'S HEAD	131.8	SC

52.4300 / 53.4300

KR4OL	#MACON		GA
N7BBW	LOUISVILLE	151.4	KY
AD4DN	#WILMINGTON	88.5	NC
K4GX	KINGSPORT		TN
KD4SUU	CHESTERFIELD		VA
KG4KUA	VESTA	107.2	VA

52.4500 / 53.4500

WD4OVN	#PINE LOG MT		GA
KC5PIA	LAUREL		MS
W4UNC	CHAPEL HILL	107.2	NC
NQ4Y	MONTEAGLE MTN	114.8	TN
K8GP	BULLRUN		VA

52.4700 / 53.4700

W5PFC	JACKSON	77.0	MS
KF4BJO	GAFFNEY		SC
KB4REC	KNOXVILLE		TN
KE4JYN	PEARISBURG	107.2	VA

52.5500 / 53.5500

WB4JEH	CONYERS	151.4	GA
N4OOJ	KNOXVILLE	100.0	TN
K4RDK	MEMPHIS		TN

52.5700 / 53.5700

KD4AOZ	WATKINSVILLE	123.0	GA
KE4LGL	LEXINGTON		KY
KE4KEH	LYNCHBURG	103.5	VA

52.5900 / 53.5900

PLEASE NOTE

The Repeater Journal lists subtones used on repeaters ONLY if they are requested to be listed by the sponsor or owner. The listing of a subtone on any repeater does not in any way indicate it being a "closed" repeater. In most cases, the tones are used to eliminate noise problems and are listed at the owners request for users convenience.

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

KF4QDS KVILLE/HIPOINT .....103.5 NC
KF4IWA MOUNTAIN REST ..... SC
WB8YST BECKLEY .....107.2 WV
KA1OKQ CONCORD, NH .....71.9 ZZ

52.6300 / 53.6300

AB4JJ MT MITCHELL .....100.0 NC
WB8YST CHARLESTON .....107.2 WV

51.1400 / 53.6500

KB5MPW BAY SAINT LOUIS .....136.5 MS

52.6500 / 53.6500

KB4YFV WHITE TOP MTN ..... VA

51.2000 / 53.7100

KE4OVN LANEVIEW .....107.2 TN

52.7100 / 53.7100

KD4YWB ROBBINSVILLE .....167.9 NC
WB8YST RICHWOOD .....107.2 WV

52.7300 / 53.7300

KF4CXL MCINTYRE .....77.0 GA
K4XYZ BUCKHORN LAKE .....100.0 KY
WD4OAR GEORGETOWN .....192.8 TN

52.7500 / 53.7500

KK4MC SUMMERVILLE .....127.3 GA
W4YWH HIGHLAND HEIGHTS .....123.0 KY
WA4PXV AIR BELLOWS GAP ..... NC
W4BAD DURHAM ..... NC
K4GX #ROGERSVILLE .....114.8 TN
N8PEI MARMT/CHARLSTN .....141.3 WV

52.7700 / 53.7700

W4GL SUMTER ..... SC
W4BBB KNOXVILLE/RACK .....100.0 TN
N4TZE BEDFORD/THNDR .....173.8 VA

52.7900 / 53.7900

WR4MG WARNER ROBINS ..... GA
WA4NC BOONE .....100.0 NC

52.8100 / 53.8100

WD4KNE #STANTON ..... KY
W4EBM #FAYETTEVILLE ..... NC

52.8500 / 53.8500

K4TDO HAZARD ..... KY

52.8700 / 53.8700

KC8PFI CEREDO ..... WV

52.8900 / 53.8900

KB0Y LAKE PARK .....141.3 GA
WB4HJG LULA .....82.5 GA
WA4OHX HAMPTON ..... VA

52.9100 / 53.9100

KE4ZJT LONDON .....100.0 KY

52.9300 / 53.9300

W4GMM MEMPHIS .....107.2 TN
KC8LRN LEWISBURG .....131.8 WV

52.9500 / 53.9500

WB4WSB LAGRANGE ..... KY

52.9700 / 53.9700

N4DAJ MT. AIRY .....100.0 NC

2 METERS

144.5100 / 145.1100

KK4HL AUGUSTA ..... GA
N4MXC COCHRAN .....107.2 GA
KR4HV DOUGLASVILLE .....88.5 GA
KC4UPE LEESBURG .....192.8 KY
KD5AXY FLORENCE ..... MS
W5WA VANCLEAVE .....123.0 MS
W4PCN KILL DEVIL HILLS .....131.8 NC
N4GSM ROBBINSVILLE .....151.4 NC
KD4MYE YOUNGSVILLE .....88.5 NC
W24SC FORT MILL ..... SC
W4GS MYR BCH/CONWAY ..... SC
KK4TD COOKEVILLE ..... TN
WM4T GRAY ..... TN
KF4OID MOSCOW .....107.2 TN
N4ARK NASHVL/FAIRVIEW .....151.4 TN
K4YPE RICHMOND ..... VA
N8RV FROST .....107.2 WV
K8SA SALT ROCK .....110.9 WV

144.5300 / 145.1900

K4SEX NEWNAN .....156.7 GA
WR4SG VALDOSTA .....141.3 GA
N4UL LOUISVILLE AREA .....151.4 KY
KJ4VF MOREHEAD .....100.0 KY
WB4YNF #AHOSKIE .....131.8 NC
N4VL MT. AIRY .....103.5 NC
W4RNC RALEIGH .....88.5 NC
W4JAK GREENWOOD ..... SC
K4JR SUMTER ..... SC
K4CMY CHATTANOOGA ..... TN
KA4OAK AFOLLETTE ..... TN
KF4ATY MEMPHIS .....107.2 TN
KC4WPS NASHVILLE .....114.8 TN
N8OYY GLENVILLE .....103.5 WV

144.5500 / 145.1500

K4TWG BACONTON ..... GA
W4AQL GA TECH .....167.9 GA
KF4CXL MCINTYRE .....77.0 GA
KG4CCW LOUISVILLE .....141.3 KY
KY4JW MONTICELLO .....100.0 KY
AD4BI PIKEVILLE .....107.2 KY
KE5LT PICAYUNE ..... MS
K2IMO ELM CITY .....88.5 NC
W4GSO GREENSBORO .....100.0 NC
K4OBX HATTERAS ISLAND .....131.8 NC
W4LBT #LUMBERTON ..... NC
N4LWY SUMMERTON ..... SC
K4USC UNION ..... SC
KG4FZR ATHENS .....141.3 TN
W4XS FRANKLIN ..... TN
K4ARO GREENBAY ..... VA
N3ZE RADFORD/RINER ..... VA
K8VE PHILIPPI .....103.5 WV

144.5700 / 145.1700

WA4DIW JONESBORO ..... GA
W8PRH HALLS GAP ..... KY
W5JWX RAYMOND .....77.0 MS

K4CCR ANDSN MT/DENVER .....88.5 NC
N4NCK OXFORD ..... NC
N4JDW WILMINGTON .....88.5 NC
KY4S AIKEN ..... SC
K4NOC BISHOPVILLE .....123.0 SC
WF4Q BRUCETON .....107.2 TN
WB4GBI KNOXVILLE ..... TN
WB4LHO MURFREESBORO ..... TN
WA4ZUA NORFOLK .....136.5 VA
WV8B BECKLEY/BOLT MT .....100.0 WV

144.5900 / 145.1900

W4CBA GAINESVILLE .....131.8 GA
WA4EQL JESUP ..... GA
WB4ULJ PINE MT/HAMILTON ..... GA
KB4SQI SALYERSVILLE .....127.3 KY
K5YD BOONEVILLE .....110.9 MS
W5CJR HATTIESBURG .....136.5 MS
KA4SQN JACKSONVILLE ..... NC
WA4BVW MT MITCHELL ..... NC
K4GWH RALEIGH .....156.7 NC
N4OTT CARTHAGE ..... TN
KD4XV JASPER .....127.3 TN
N4ZKR NEWBERN .....100.0 TN
WB3R AMELIA ..... VA
WB8YJJ RICHWOOD ..... WV
KA8YEZ WHEELING .....156.7 WV

144.6100 / 145.2100

KC4RRO EASTMAN ..... GA
WA4EPK FAYETTEVILLE .....131.8 GA
W8PRH LEXINGTN/GRGTWN ..... KY
W5SAR #WAYNESBORO ..... MS
K4OLC HIGH PEAK MTN .....94.8 NC
WB4TQD TRENTON ..... NC
KG4LAP SMOAKS ..... SC
W2GLJ GERMANTOWN ..... TN
W4BBB KNOXVILLE/RACK .....100.0 TN
N4ARK NASHVILLE ..... TN
K4QZJ HIGH KNOB MT ..... VA
N2EDE ROANOKE .....107.2 VA
WB8FEQ HUNTINGTON .....162.2 WV

144.6300 / 145.2300

WB4JEH CONYERS .....151.4 GA
W4DRC DALTON ..... GA
K4BR WAYNESBORO ..... GA
WB8PRH LOUISVILLE ..... KY
W4KBL PRINCETON .....103.5 KY
KG4QGC WEST LIBERTY .....107.2 KY
KC5VZI #NEW ALBANY ..... MS
N4VBH BEULAVILLE ..... NC
W4UNC CHAPEL HILL .....107.2 NC
W4BFB CHARLOTTE ..... NC
KG4AQH GREELEYVILLE ..... SC
W4CAT LAVERNE ..... TN
KB4KIE MAYNARDVILLE ..... TN
KE4NTL RIPLEY .....100.0 TN
N4CH BEDFORD ..... VA
W4MT NEWPORT NEWS .....100.0 VA
N8FWL BECKLEY/OAK HILL .....100.0 WV
N8FMD ELKINS .....103.5 WV

144.6500 / 145.2500

N4YYD CHATSWORTH .....71.9 GA
KF4CXL MCINTYRE .....136.5 GA
AD4YJ LEXINGTON .....110.9 KY
W4GG GREENSBORO .....88.5 NC
WA4USN CHARLESTON .....123.0 SC
WA4USN SIMPSONVILLE .....123.0 SC
KT4WS DOVER .....100.0 TN
W4NKW ERWIN/PINNACLE ..... TN
N4ER MEMPHIS .....146.2 TN
KD8XK BLUEFIELD .....100.0 VA
KQ4RH MONTPELIER ..... VA

144.7500 / 145.2500

KC4QLP ELIZABETH CITY .....131.8 NC

144.6700 / 145.2700

KT4X SANDERSVILLE .....77.0 GA
K4ANS WALESKA/PNLG MT .....100.0 GA
N4KJU PAINTSVILLE .....127.3 KY
KD4BOH ROCKPORT .....77.0 KY
N5NBG WALLS .....162.2 MS
KB5DZJ WIGGINS .....136.5 MS
K4ITL ASHEBORO .....82.5 NC
K4ROK FARMVILLE .....131.8 NC
WA4KNI HENDSVL/BERWLW ..... NC
N7GZT COLUMBIA .....162.2 SC
W4SRX MONTEREY .....123.0 TN
KD4CLA EGEON FORGE .....100.0 TN
N8FMD BIRCH RIVER .....103.5 WV

144.6900 / 145.2900

WA1BM ATLANTA .....88.5 GA
W4DV AUGUSTA .....100.0 GA
WR4MG PERRY .....107.2 GA
AC2DC LOUISVILLE .....151.4 KY
N4VOS STANTON ..... KY
WJ5L VICKSBURG ..... MS
W4BFB CHARLOTTE ..... NC
WN3X CONNOCK .....131.8 NC
NC4AR HIGH POINT .....88.5 NC
WA4WPD NASHVILLE .....107.2 NC
W4GS MYRTLE BEACH .....85.4 SC
KU4ZS PUMPKINTOWN .....123.0 SC
W4AM CHATTANOOGA .....118.8 TN
KF4ZQA ELIZTON/HOLS MT .....100.0 TN
K4DXC RIDGETOP .....114.8 TN
WF4Q SHILOH .....107.2 TN
N4UTN RUSTBURG ..... VA
WB8WV GLENVILLE .....91.5 WV

144.7100 / 145.3100

W4FIZ COLUMBUS .....123.0 GA
KB4JF NASHVILLE .....141.3 GA
WA4JDR STOCKBRIDGE ..... GA
KC4KZT DAVID ..... KY
WB5GOJ CHATAWA ..... MS
W4NGH BAKERSVILLE ..... NC

N4LEX #LEXINGTON .....88.5 NC
K4ITL ROSEBORO ..... NC
W4IAR BEAUFORT ..... SC
W4CHR CHESTER ..... SC
WA4PNI ATHENS .....141.3 TN
KF4SC JACKSON ..... TN
KC4ECD LAFAYETTE .....151.4 TN
KD4KWP CHESTERFIELD ..... VA
N8FCJ BECKLEY/LAYLAND .....100.0 WV
KB8TJH SHIRLEY ..... WV

144.7300 / 145.3300

KF4ODQ EASTMAN .....77.0 GA
WA4OGE JONESBORO ..... GA
N4XGI ST SIMONS ISLAND .....131.8 GA
KF4INN VERSAILLES ..... KY
K5DMC KILN ..... MS
KI4RK EMERALD ISLE .....88.5 NC
KI4RK GOLDSBORO .....100.0 NC
N4VRD MOUNT AIRY .....100.0 NC
KF4JVI TRYON ..... NC
WA4DFP BAMBERG ..... SC
WT4E COLLIERVILLE .....107.2 TN
WD4DBJ CUMBERLAND CITY ..... TN
WA4TEM KNOXVILLE ..... TN
KE4ZBH FARMVILLE ..... VA
W4VB NORFOLK ..... VA
WR8M WILLIAMSON .....100.0 WV

144.7500 / 145.3500

W4DOC ATLANTA .....146.2 GA
W4GTA LOOKOUT MT .....100.0 GA
KD4MFS OCILLA ..... GA
AI4HB RADCLIFF .....173.8 KY
N4DRL BYHALIA ..... MS
N5ZMZ UTICA ..... MS
WA4AOS CHARLOTTE ..... NC
WD4JPQ GREENVILLE .....131.8 NC
KE4OVN GREENFIELD .....107.2 TN
WD4JYD NOLENSVILLE .....114.8 TN
KB4PNG ONEIDA .....77.0 TN
N4AZJ BLAND .....103.5 VA
W4HCH SOUTH BOSTON ..... VA
W8GK CHARLESTON .....91.5 WV
W8SP FAIRMONT .....103.5 WV

144.7700 / 145.3700

AA4UA AUGUSTA ..... GA
KB4IZF JASPER .....100.0 GA
W4BKM MACON .....88.5 GA
KE4YVD RICHMOND .....192.8 KY
K5IJX HATTIESBURG .....136.5 MS
N5PYQ SOUTHAVEN .....107.2 MS
N4NCK BUTNER ..... NC
W4HF N. WILKESBORO .....94.8 NC
K4PPD SHALLOTTE .....118.8 NC
KB4KIE KNOXVILLE ..... TN
WR3S NASHVILLE ..... TN
W4HZL GLOUCESTER ..... VA
KC4RBA LYNCHBURG .....186.2 VA
WV8BD BECKLEY/EOC ..... WV
K8VNQ PARSONS .....118.8 WV

144.7900 / 145.3900

KH4YB GRIFFIN/CENAR .....88.5 GA
KC4KAN BENTON .....179.9 KY
N4EQT LAWRENCEBURG .....107.2 KY
KC8FKP SO. PORTSMOUTH .....136.5 KY
KB5KGE JACKSON ..... MS
NC4UC MONROE/UCARS .....94.8 NC
WB4TQD RALEIGH .....82.5 NC
KG4BZN WALTERBORO ..... SC
W4AM CHATTANOOGA ..... TN
W4WC GREENEVILLE ..... TN
KE4EUE COLONIAL HEIGHTS ..... VA
W4POX PORTSMOUTH .....100.0 VA
K4ARO ROANOKE/POOR MT .....107.2 VA
AI4UK #LENORE ..... WV
WD8EOM WESTON ..... WV

144.8100 / 145.4100

W4PME ATLANTA/BELL .....100.0 GA
K4KNS AUGUSTA ..... GA
WA4MXO JACKSON ..... KY
KK4CZ LOUISVILLE .....151.4 KY
N4XO CHINA GROVE .....136.5 NC
K4SER WILLIAMSTON .....131.8 NC
WA4USN CHARLESTON AR ..... SC
N4VIH DOVER .....123.0 TN
K4MFD GREENEVILLE .....173.8 TN
K5FU MEMPHIS .....107.2 TN
NO4Y MONTEAGLE MTN .....114.8 TN
KF4ADM WILLIAMSBURG .....127.3 VA
N8FHE BUCKHANNON ..... WV
WV8AR RED HOUSE .....123.0 WV
W8IFL UNION .....100.0 WV

144.8300 / 145.4300

K4LCI ATLANTA ..... GA
WA9RNZ JESUP .....118.8 GA
AA4RI MACON ..... GA
AC4RS ELKTON .....77.0 KY
KF4CBT WINCHESTER .....203.5 KY
KX5E GLOSTER .....136.5 MS
KU4W RAEFORD .....100.0 NC
K4QFQ SPARTA/GREEN MT ..... NC
K4JR SUMTER .....156.7 SC
WF4Q BROWNSVILLE .....107.2 TN
WA4UCE COOKEVILLE ..... TN
WB4YLC KNOXVILLE ..... TN
AD4OV COEBURN .....103.5 VA
W4SQT RICHMOND ..... VA
WB8YST CHARLESTON .....107.2 WV
K8LG MORGANTOWN ..... WV

144.8500 / 145.4500

W4BOC DECATUR ..... GA
KG4FEJ ROCKFIELD .....136.5 KY
WX5P FULTON ..... MS
W5PPB SHARON .....77.0 MS

WR4AGC DURHAM ..... NC
WD4LCF GASTONIA ..... NC
K4GRW #NEWPORT ..... NC
WD4EOG CLEMSON UNIV ..... SC
W4ZKM SAVANNAH RIVER .....123.0 SC
K4SIR BENTON ..... TN
WA4KOG MEMPHIS ..... TN
KQ4E MORRISTOWN ..... TN
KF4GHD #MT PLEASANT .....127.3 TN
KA4THY ROANOKE .....107.2 VA
AA4HQ SALUDA ..... VA
N8LGY MT. ZION .....107.2 WV
K8KRS WELCH ..... WV

144.8700 / 145.4700

KD4HMH BONAIRE ..... GA
KG4OGC RICEBORO ..... GA
N4CLA SWEAT MT/MARIETT ..... GA
WB4GGH BARDSTWN/NELSN .....151.4 KY
K4NLT HUEYSVILLE .....79.7 KY
KF4BRO MAYSVILLE .....107.2 KY
WB5VYH #ABBEVILLE .....107.2 MS
W4OIX KINSTON .....88.5 NC
W4NC SAURATOWN MT .....100.0 NC
WB4BLI GAFFNEY .....141.3 SC
KI4CB MYR BCH/CONWAY ..... SC
WB4GBI KNOXVILLE ..... TN
KF4RBR MOUNTAIN CITY .....103.5 TN
N4ARK NASHVILLE ..... TN
N4ZCM SOUTH HILL ..... VA
N8YHK SUMMERSVILLE .....100.0 WV

144.8900 / 145.4900

W4DV AUGUSTA ..... GA
KA4WUJ CORDELE .....103.5 GA
W4LMA MARIETTA .....88.5 GA
W4KVK HENDERSON ..... KY
WB4CWF LEXINGTON ..... KY
N5VGK TUPELO ..... MS
NT4K FRANKLIN ..... NC
WB4IKY GIBSONVILLE .....107.2 NC
KF4LUC HICKORY .....94.8 NC
W4BWC RALEIGH .....82.5 NC
W4APE CHERAW ..... SC
WA4KOG BRADEN ..... TN
WB4LHO MCMINVL/SHT MT ..... TN
K4CQ AMHERST .....136.5 VA
W8MOP BLUEFIELD ..... VA
WA4OHX HAMPTON ..... VA
WV8G PARKERSBURG ..... WV

146.9950 / 146.3950

WB9SHH #MONTECELLO .....88.5 KY

146.0100 / 146.6100

W4CVY COLUMBUS ..... GA
WB4JEH CONYERS .....151.4 GA
WD4KWV CORBIN ..... KY
KC4FRA MADISONVILLE ..... KY
W5LAR LAUREL ..... MS
W4EWN NEW BERN .....100.0 NC
WB4TQP RALEIGH .....131.8 NC
KF4QDS THOMASVILLE .....123.0 NC
KC4WIF ELLOREE .....118.8 SC
W4NYK GRNVLE/CSRS HD ..... SC
W4AM CHATTANOOGA ..... TN
WA4PCD NASHVILLE ..... TN
K4JP ABINGDN/BRMLY MT ..... VA
W4CAR CHESAPEAKE ..... VA
W4WWQ LYNCHBURG .....136.5 VA
WB8MZI GASSAWAY ..... WV

146.0250 / 146.6250

W4ZT ATL/UNION CITY .....100.0 GA
N4UJT ELBERTON ..... GA
K4HAO VIDALIA ..... GA
K4ULW PAYNEVILLE .....151.4 KY
KC5ULN COLUMBUS ..... MS
KE5WO PORT GIBSON ..... MS
K4USB BUXTON .....131.8 NC
KI4RR LAURINBURG ..... NC
KF4SXO CHESTER ..... SC
WB4VXX CORNERSVILLE .....107.2 TN
WB4GBI KNOXVILLE .....100.0 TN
W4UTM MARTIN .....107.2 TN
K4SVA JARRATT I-95 .....100.0 VA
WV8B FLAT TOP/WINTRPL .....100.0 WV

146.0400 / 146.6400

WB4QGR #ATLANTA ..... GA
W4FWD CARROLLTON .....131.8 GA
AE4PO WAYCROSS .....141.3 GA
WA4UXJ CANE VALLEY ..... KY
K5XU MADISON ..... MS
WB5NAY MOOREVILLE ..... MS
WB4YAO HENDERSONVILLE .....91.5 NC
W4DW RALEIGH ..... NC
W4NC WINSTON-SALEM .....100.0 NC
W4GL SUMTER ..... SC
KA4QYI HARRIMAN .....100.0 TN
WB4KQQ MEMPHIS ..... TN
AF4TZ NASHVILLE .....114.8 TN
W4WIC FINCASTLE ..... VA
N4QLF MARION .....103.5 VA
WB4QEY RICHMOND ..... VA
N8HZ HUNTINGTON/CHAS ..... WV

146.0550 / 146.6550

N4NFP ATLANTA/MARIETTA .....151.4 GA
W4WSM BOWLING GREEN-SO ..... KY
WD4DZC DANVILLE ..... KY
K4CUW PADUCAH ..... KY
KC5ZZH MERIDIAN ..... MS
K4CEB CONCORD/KANNAP. ..... NC
WA4VTX ELIZABETH CITY .....131.8 NC
KD4KOJ BEAUFORT ..... SC
N5CWH LEESVILLE .....162.2 SC
KI4BXI BROWNSVILLE ..... TN
W4RDM LAWRENCEBURG ..... TN
W4OLB MARYVILLE/ALCOA ..... TN

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

WA4ISI ALTAVISTA ..... VA
N8ZPX FLATWOODS .....123.0 WV
N8SNW IAEGER .....203.5 WV
146.0700 / 146.6700
W4ABP GAINESVILLE .....131.8 GA
KF4SJO HAZARD ..... KY
WA4FOB LARUE .....77.0 KY
W4KBL PRINCETON ..... KY
W5UBG NEW ALBANY ..... MS
KB5ZCX PURVIS ..... MS
K4FHB BURLINGTON ..... NC
K4OI FOREST CITY .....114.8 NC
AD4DN WILMINGTON .....88.5 NC
AD4U ST. MATTHEWS .....156.7 SC
W4UD BRISTOL ..... TN
K4BGW LAFOLLETTE ..... TN
AF4TZ NASHVILLE .....114.8 TN
W4CBM DUBLIN ..... VA
KG4NJA HAMPTON .....173.8 VA
KD4DDI PAGECO ..... VA
K4RC WILLIAMSBURG ..... VA
WD8JNU RAVENSWOOD ..... WV
146.0850 / 146.6850
K4NGA ADAIRSVILLE .....167.9 GA
WA4EPK DARIEN ..... GA
K4KZY FAYETTEVILLE ..... GA
KF4NTQ GEORGETOWN .....107.2 KY
N4WJS OWENSBORO .....110.9 KY
W5KHB NATCHEZ .....100.0 MS
W4NBR GRIFTON .....88.5 NC
W4SNC STATESVILLE ..... NC
K4USC UNION ..... SC
KF4ARH WALLAND .....88.5 TN
WA1ZMS BEDFRD/APL ORCH .....100.0 VA
N8FMD CLARKSBURG .....103.5 WV
WB8NAM DANVILLE ..... WV
146.1000 / 146.7000
W4MM ALBANY ..... GA
K4UFO JASPER ..... GA
KD4BWK LAGRANGE .....141.3 GA
WB4DOJ MILLEDGEVILLE .....67.0 GA
K4NLX SAVANNAH .....100 GA
KY4KY BROOKS .....151.4 KY
KD4DZE GRAYSON .....107.2 KY
KB5MPW BAY ST. LOUIS ..... MS
W5LV GRENADA ..... MS
W5FQ MERIDIAN ..... MS
N4CID DUNN ..... NC
W4PAX #LANCASTER ..... SC
WT4F PICKENS .....107.2 SC
KF4BVQ ANDERSON CTY .....100.0 TN
W4UOT MANCHESTER .....114.8 TN
WB4MMI RAMER .....107.2 TN
WA4YGM UNION CITY ..... TN
K4AU DANVILE/WHT OAK .....107.2 VA
KF8PT NORFOLK ..... VA
KD4WWF STAUNTON .....131.8 VA
KC8AFH BECKLEY .....123.0 WV
146.1100 / 146.7100
KF4FO HOPKINSVILLE ..... KY
146.1150 / 146.7150
K4NVG LAVONIA .....100.0 GA
W4ABZ RINGGOLD .....67.0 GA
KF4OFT BEREA .....100.0 KY
KY4HC HAWESVILLE .....136.5 KY
KA5TQY GREENWOOD ..... MS
KD4JFN HAW RIVER .....107.2 NC
N4GGN MILLERS CREEK .....94.8 NC
WB4NEP COLUMBIA ..... SC
KB4JUB SALTILLO ..... TN
W9KIC BLACKSBURG ..... VA
W4TTL WALKERTON ..... VA
146.1300 / 146.7300
W4MM ALBANY ..... GA
KD4NC ATLANTA/SWEAT MT ..... GA
K4TVE BRUNSWICK ..... GA
WR4DH MACON .....100.0 GA
AC4AO LEXINGTON ..... KY
AA4NI #NEBO ..... KY
KC5IF BILOXI ..... MS
KD5GVU STARKVILLE .....210.7 MS
KC5TGT UTICA .....77.0 MS
W4BWC RALEIGH .....82.5 NC
W4EXU SALISBURY .....94.8 NC
N4ILM WILMINGTON ..... NC
K4NAB N. AUGUSTA ..... SC
WA4UKX SIMPSONVILLE .....100.0 SC
WB4IOB KNXVL/ENG MT ..... TN
KE4LFZ MEMPHIS .....107.2 TN
K4EHL WATERTOWN .....100.0 TN
W4QR HAMPTON ..... VA
WB8SPW LEWISBURG .....100.0 WV
146.1450 / 146.7450
KD4QHB ATHENS ..... GA
K4WOC CALHOUN .....100.0 GA
AF4VH SPRINGFIELD .....97.4 GA
WA4TTC GREENVILLE ..... KY
KD4RTR MILLARD .....141.3 KY
KC5VZI #NEW ALBANY ..... MS
KC4QPR MORGANTON .....94.8 NC
N4WFU ROANOKE RAPIDS .....131.8 NC
W4PDE DILLON/PEE DEE ..... SC
W4MV DYERSBURG ..... TN
KC4WHL HARRIMAN ..... TN
AA4YQ WARTBURG ..... TN
K4ROA ROANOKE/POOR MT .....107.2 VA
146.1600 / 146.7600
W4RRG LOOKOUT MT. .....67.0 GA
W4BOC STONE MT .....107.2 GA
WR4MG UNADILLA .....107.2 GA
KF4BJM VALDOSTA .....141.3 GA
K4KJQ LEXINGTON ..... KY
K4CUW PADUCAH ..... KY

W5AXQ JACKSON ..... MS
WA4BVW ASHVL/MT PISGAH ..... NC
K4GWH GREENSBORO .....156.7 NC
KB2XI SWANSBORO ..... NC
WB4THL WILSON .....131.8 NC
K4ESG CHARLESTON ..... SC
K4JP BRSTL/HOLSTN MT ..... TN
WA4PCD NASHVILLE .....114.8 TN
WA4TFZ CHARLOTTESVILLE .....151.4 VA
KB4ZIN WILLIAMSBURG ..... VA
W8VA HUNTINGTON .....131.8 WV
N4RAG LEWISBURG .....131.8 WV
W8CUL MORGANTOWN ..... WV
W8ZQ WHEELING ..... WV
146.1750 / 146.7750
N4NEQ MARIETTA .....151.4 GA
KB4NA WRENS ..... GA
KA4WZX MIDDLESBORO ..... KY
KJ4OG TOMPKINSVILLE ..... KY
AE4SK VANCEBURG ..... KY
KD5YTB CLEVELAND .....107.2 MS
K5PN HATTIESBURG .....136.5 MS
W4ZU HOLDEN BEACH .....100.0 NC
KD4RAA #RALEIGH .....88.5 NC
KG4WAD SALISBURY .....94.8 NC
KF4GHC FORT JACKSON .....156.7 SC
WF4Q JACKSON .....107.2 TN
W4JVO PULASKI/MUSIC MT ..... TN
AG4AN FOREST .....131.8 VA
WB3T WYTHEVILLE .....107.2 VA
KB8BWZ ELKINS ..... WV
146.1900 / 146.7900
KD4CEY FOLKSTON ..... GA
WD4KOW MOULTRIE ..... GA
K4SEX NEWNAN ..... GA
K4VYX SWAINSBORO ..... GA
W4YWH HIGHLAND HEIGHTS .....123.0 KY
KA4UHL NANCY .....100.0 KY
K5TYP BILOXI ..... MS
W4TLP CLINTON ..... NC
KG4ASL SAURATOWN MT .....107.2 NC
N4AW ANDERSON/SAS MT ..... SC
WA4USN CHARLESTON ..... TN
W4AM CHATANOOGA ..... TN
W4ABR JOHNSON CITY ..... TN
W4KIB MEMPHIS .....107.2 TN
W4SQE NASHVILLE .....100.0 TN
N4SD CHESAPEAKE ..... VA
NM8T ANSTED .....100.0 WV
146.2050 / 146.8050
K4PDQ MACON .....77.0 GA
KA4NNE GUTHRIE .....100.0 KY
W8PRH HAZARD ..... KY
KF5C STARKVILLE .....192.8 MS
K5IMT #VICKSBURG ..... MS
K4GNC GASTONIA/CRWDR ..... NC
W4DCG ROCKY MOUNT .....118.8 NC
KF4ATU ORANGEBURG .....156.7 SC
KF4TNP CORNERSVILLE .....114.8 TN
W4EYJ CROSSVILLE .....131.8 TN
WB4MMI SELMER .....107.2 TN
WA4HTI COVINGTON ..... VA
W4TTL MECHANICSVILLE ..... VA
147.4050 / 146.8050
K4AOS JASPER .....100.0 GA
W4DJB CANTON ..... NC
KD4TC BIG "A" MTN .....103.5 VA
146.2200 / 146.8200
W4MM ALBANY .....141.3 GA
W4DOC ATLANTA .....146.2 GA
K4HVK KIBBEE ..... GA
KF4DKJ DRAKESBORO ..... KY
W4CMR IRVINE .....192.8 KY
KA5LNY MAGEE .....100.0 MS
KB4VTA WILKESBORO .....94.8 NC
K4GMP WILMINGTON .....88.5 NC
KT4NZ CAMDEN .....131.8 SC
W4NYK GRNVLE/PARIS MT ..... TN
WB4OAH LAKE CITY ..... TN
W4BS MEMPHIS ..... TN
KB4PNG #ONEIDA ..... TN
W4UOT WINCHESTER ..... TN
W4CAR CHESAPEAKE .....162.2 VA
N4WWB GATE CITY ..... VA
WB8CQV CHARLESTON .....192.8 WV
K8VE GRAFTON .....103.5 WV
W4RKC WINCHESTER, VA ..... ZZ
146.2350 / 146.8350
KC4GSS #THOMSON ..... GA
KF4AWA SALVISA .....192.8 KY
WB4PLA ASHEVILLE ..... NC
KB4TOH COLUMBIA .....131.8 NC
W4USH WADESBORO ..... NC
KT4YW CHARLESTON ..... SC
KB4YTM HUNTINGDON ..... TN
W4LYR WATERTOWN .....100.0 TN
KK4EH GRUNDY/BIG A MT ..... VA
W4GSF KILMARNOCK .....173.8 VA
N4UTN RUSTBURG/LONG MT .....173.8 VA
KC8ECX COWEN .....110.9 WV
147.4350 / 146.8350
N4KHQ DAHLONEGA .....100.0 GA
W4IDR #HOPE MILLS ..... NC
KB4BPV THOMASVILLE .....88.5 NC
146.2500 / 146.8500
K4SDJ SAVANNAH ..... GA
WA4ORT WARNER ROBINS ..... GA
KM4IV PIKEVILLE ..... KY
K5JMD BUDE .....103.5 MS
WB5MFK IUKA ..... MS
W5LWC %OSCIUSKO ..... MS
K4CYP GOLDSBORO ..... NC
WA4DSZ HICKORY/BRT. MT ..... NC

N4IV REIDSVILLE .....103.5 NC
W4ULH FLORENCE ..... SC
WA4KJH GTLBG/COVE MTN .....127.3 TN
WA4KOG MEMPHIS ..... TN
W4AY NASHVILLE .....114.8 TN
W4POX PORTSMOUTH ..... VA
WA4ZBP STAUNTON .....131.8 VA
WV8BD BECKLEY/FLAT TOP ..... WV
N8ZAR BUCKHANNON ..... WV
146.2650 / 146.8650
N4ZON JESUP .....123.0 GA
WB4DKY MADISON .....179.9 GA
AD4MU OWENSBORO ..... KY
KG4AEU RICHMOND .....192.8 KY
KD4HLH LAURENS .....107.2 SC
KF4VGX LITTLE RIVER ..... SC
W8EYU #CROSSVILLE .....118.8 TN
KN4KP TRENTON ..... TN
KG4VFO NORTON .....103.5 VA
147.4650 / 146.8650
W5NRU ELLISVILLE .....136.5 MS
N4WCO MURPHY/STALCUP .....151.4 NC
WA4ZRS WAXHAW .....94.8 NC
WZ8E MOUNTAIN LAKE .....110.9 VA
146.2800 / 146.8800
W4CVY COLUMBUS ..... GA
W4BTI MARIETTA/ATLANTA .....100.0 GA
WA4NKL QUITMAN ..... GA
W4HBB SAVANNAH ..... GA
W4PF LOUISVILLE ..... KY
KA4UHL SOMERSET .....77.0 KY
K5QNE JACKSON .....100.0 MS
KE5SJ PASCAGOULA ..... MS
WB4TQD RALEIGH ..... NC
W4NYR SHELBY ..... NC
N7GZT ORANGEBURG ..... SC
WD4CYZ BRISTOL ..... TN
WA4KOG MEMPHIS ..... TN
WA4PCD NASHVILLE ..... TN
W4SKH OAK RIDGE ..... TN
W4RAT RICHMOND ..... VA
WA4V SALEM ..... VA
WB8CQV SO. CHARLESTON .....203.5 WV
146.2950 / 146.8950
N4VNI HARTWELL .....100.0 GA
WR4MG HAWKINSVILLE .....107.2 GA
K4JBV FLORENCE .....100.0 KY
KA4BLZ LYNN GROVE .....210.7 KY
W4APE PAGELAND ..... SC
KF4HNV CROSSVILLE .....118.8 TN
WD4EGD DANDRIDGE ..... TN
K4TTC HOWENWALD .....100.0 TN
WA4KXV VIRGINIA BEACH ..... VA
WB3T WYTH/WALKER MT .....103.5 VA
147.4950 / 146.8950
WD4LUQ DALLAS .....77.0 GA
KC4KZT DORTON .....141.3 KY
W5NRU ELLISVILLE .....136.5 MS
146.3100 / 146.9100
WB4HIG CLEVELAND ..... GA
K4HYB GRIFFIN/CENAR ..... GA
K4GFY MOREHEAD .....123.0 KY
KS4TO WADDY .....107.2 KY
K5VV HERNANDO ..... MS
WA5JZL LUCEDALE ..... MS
K5OCM NATCHEZ .....91.5 MS
WA4ZGQ AHOSKIE .....131.8 NC
W4MOE ASHVL/SPIVEY MT .....91.5 NC
K4MN FAYVLLE/CFARS .....100 NC
W4PAR LEXINGTON .....107.2 NC
WA4SJS WHITE HALL .....156.7 SC
KC4ROG KNOXVILLE ..... TN
W4YXA SHORT MTN ..... TN
KX4ZBH FARMVILLE ..... VA
K4TUE MT.LAKE/BALD KNB .....107.2 VA
N8BQ MCMECHEN ..... WV
146.3250 / 146.9250
WA4ASI COVINGTON ..... GA
N4PJR #JESUP .....141.3 GA
W4BEJ RADCLIFF ..... KY
WB5CON CORINTH .....107.2 MS
AD4T DOBSON .....100.0 NC
W4APE BISHOPVILLE ..... SC
K4ORE CLARKSVILLE .....110.9 TN
W4GZX CLEVELAND ..... TN
WD4OBW JONESBOROUGH ..... TN
WA4TFZ CHARLOTTESVILLE .....151.4 VA
WB4GJG DANVILLE(DCC) .....88.5 VA
WD8OGY PRINCETON/PIPEST ..... WV
146.3400 / 146.9400
KT4N AUGUSTA ..... GA
W4VO ROME/MT. ALTO .....88.5 GA
WA4RVB WRIGHTSVILLE ..... GA
KG4DVE ASHLAND ..... KY
KY4X GLASGOW ..... KY
K4MSU MURRAY .....91.5 KY
KB5DWX AMORY .....192.8 MS
KA5SBK JACKSON .....100.0 MS
K5JMD MCCOMB ..... MS
K4CTY BURGAW ..... NC
WA4IZG BUTNER .....156.7 NC
W4BFB CHARLOTTE ..... NC
W4ACY WANCHESE .....131.8 NC
N7GZT CHARLESTON ..... SC
W4ICQ GREENVILLE .....67.0 SC
WB4GBI KNOXVILLE ..... TN
WA4KOG OAKLAND ..... TN
W4ZA RICHMOND ..... VA
N4AP ROANOKE ..... VA
KD8AB FENWICK ..... WV
W8CWO WEIRTON ..... WV
146.3550 / 146.9550
KD4AOZ ATHENS .....123.0 GA

KE4RQT BLAIRSVILLE .....100.0 GA
WR4MG PERRY .....107.2 GA
KF4BRO FLEMINGSBURG .....107.2 KY
N5EKR ELLISVILLE ..... MS
KC5OB ISOLA ..... MS
KD4WAR BURNSVILLE ..... NC
K4RNC ROCKINGHAM ..... NC
KD4BMX PINE RIDGE .....162.2 SC
NT4L #NASHVILLE .....114.8 TN
WZ8E BLUEFIELD/ONEIDA .....100.0 VA
N4CFA FARMVILLE .....136.5 VA
K8VE WEBSTER SPRINGS .....123.0 WV
146.3700 / 146.9700
K4CLJ ATLANTA ..... GA
W4HBB SAVANNAH ..... GA
K4DPP #HENDERSON ..... KY
W8PRH STANTON ..... KY
KI5FW MERIDIAN .....100.0 MS
N5PH PASCAGOULA ..... MS
N5EYM WINONA .....110.9 MS
KD4BJD BENSON ..... NC
N4AW ANDERSON ..... SC
W4GEY FLORENCE ..... SC
W4TRC KNGSPT/BAYS MT ..... TN
WD4MWQ MCMINNVILLE ..... TN
WA4RWK MEDINA ..... TN
W4SKH OAK RIDGE ..... TN
NC4BL FANCY GAP .....100.0 VA
W4WRN STAUNTON ..... VA
WA4KXV VIRGINIA BEACH ..... VA
KC8CPK LOGAN/WRD RK MT .....100.0 WV
N8NBL PARKERSBURG (OH) ..... WV
146.3800 / 146.9800
WB4EJ ELIZABETHTOWN ..... KY
146.3850 / 146.9850
K4KNS AUGUSTA .....100.0 GA
KC4ZGN ELLIJAY/TALONA M .....77.0 GA
KN4FE WARM SPRINGS ..... GA
N4SEI #JONATHAN CREEK ..... KY
N5LRQ COLLINS .....136.5 MS
KB5DMT SENATOBIA .....107.2 MS
K4OGB ALBEMARLE .....100.0 NC
K4JPE DURHAM .....156.7 NC
WD4PVE MARION .....118.8 NC
KC4PRD NASHVILLE ..... TN
KE4SCS PETERSBURG .....127.3 VA
W4CA ROANOKE/POOR MT ..... VA
N8OLC HUNTINGTON .....131.8 WV
KF8LL NEW MARTINSVILE ..... WV
146.4000 / 147.0000
WA4NNO ATLANTA ..... GA
K5UFH CORINTH ..... MS
KE5TL #VANCLEAVE ..... MS
N5DXM WATER VALLEY ..... MS
WD4FVO JACKSONVILLE ..... NC
KD4HTW MARION .....192.8 SC
WB4YXZ PICKENS .....151.4 SC
KD4CWB #KNOXVILLE .....100.0 TN
W4ZJM MEMPHIS .....* TN
W4LG SUFFOLK .....100.0 VA
W8XF CHARLESTON .....91.5 WV
147.0000 / 147.0000
W4EEE BOGART ..... GA
KE4LR SHELBYVILLE ..... KY
KG4M WILLIAMSBURG ..... KY
KC5ULN COLUMBUS ..... MS
W5IQ JACKSON ..... MS
WW4DC THOMASVILLE .....88.5 NC
W4CBX BLOUNTVILLE ..... TN
AC4RS CLARKSVILLE .....167.9 TN
KA6UHV COLLEGEDALE .....131.8 TN
KD8ZR TERRA ALTA ..... WV
147.7000 / 147.0000
W4VM HUNTSVILLE, AL ..... ZZ
146.4150 / 147.0150
K4AIS WALESKA/PNLG MTN .....100.0 GA
N4YSB YADKINVILLE ..... NC
AB4M LYNCHBURG .....131.8 VA
K4AXO NORTON/HIGH KNB .....88.5 VA
147.6150 / 147.0150
K4EDN BONAIRE .....82.5 GA
KG4OGC HINESVILLE ..... GA
AD4RT IRVINE ..... KY
N5JHK MONTICELLO ..... MS
NC4LC LINCOLNTON .....141.3 NC
W4BAD RALEIGH .....88.5 NC
W4GL SUMTER .....156.7 SC
AF4TZ NASHVILLE ..... TN
KE4RX RCKWD/MT ROSVLT ..... TN
WF4Q UNION CITY .....107.2 TN
AA8TH RICHWOOD ..... WV
146.4300 / 147.0300
WV5D LAUREL ..... MS
KU4OL MOUNTAIN REST ..... SC
K4YTZ ROCK HILL ..... SC
WA4JST RICHMOND ..... VA
147.6300 / 147.0300
W4REI ATLANTA/AIRPORT ..... GA
KD4ULE HOPKINSVILLE .....103.5 KY
W4PJZ LOUISVILLE .....151.4 KY
W5LDD OCEAN SPRINGS ..... MS
KG4BTN GREENSBORO .....131.8 NC
KB4DJT ROANOKE RAPIDS ..... NC
KK4BQ BARNWELL .....156.7 SC
N4JTH #N. MYRTLE BEACH ..... SC
W4BV FAYETTEVILLE ..... TN
W4EM MEMPHIS .....107.2 TN
KQ4E MORRISTOWN ..... TN
KC8IT MULLENS ..... WV
WB8ECC ST.MARYS/BENS RG ..... WV
146.4450 / 147.0450
K4AIH ANDRWS/ROBNSVL .....151.4 NC

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

147.6450 / 147.0450
KE4ZRT DOUGLAS .....141.3 GA
KD4AOZ WATKINSVILLE .....123.0 GA
KJ4VF GRETHEL .....100.0 KY
KE4OOS PARIS .....141.3 KY
KB5LCL MORTON .....141.3 MS
W4NHV LUMBERTON ..... NC
KC4MJC #TROUTMAN .....77.0 NC
K4ILT ST. GEORGE .....103.5 SC
AF4O BOLIVAR ..... TN
N2UP LIVINGSTON ..... TN
K4AYN NASHVILLE ..... TN
KE4CKJ STAUNTON/EL.KB .....131.8 VA
WA4SBC VIRGINIA BEACH ..... VA
KD4UTV DELAND, FL .....103.5 ZZ
146.4600 / 147.0600
W4CQ CHARLOTTE ..... NC
KD4LDU CHARLESTON .....141.3 TN
KF4AGO SOUTH BOSTON ..... VA
KA8PNC PRINCETON ..... WV
147.6600 / 147.0600
WA4DDI MACON ..... GA
N4CLA ROSWELL ..... GA
W4UCJ THOMASVILLE ..... GA
K4LOL BOWLING GREEN .....156.7 KY
W4NJA PADUCAH .....103.5 KY
N5OCF RICHTON ..... MS
KB4BR MACO ..... NC
W4VFR SUMTER/SHAW ..... SC
N4FV GREENEVILLE .....186.2 TN
WA4MQQ MEMPHIS ..... TN
N4VFB SHELBYVILLE ..... TN
WB4VWR ENON .....107.2 VA
N8ZAR BUCKHANNON .....123.0 WV
147.6700 / 147.0700
N4MRM #LOUISVILLE .....151.4 KY
146.4750 / 147.0750
KK4MW CARBO ..... VA
NM8T SMITHERS ..... WV
147.6750 / 147.0750
W4CLA CLAXTON ..... GA
W4GR LAWRENCEVILLE .....82.5 GA
N4TLP OWINGSVILLE ..... KY
NC5Y JACKSON ..... MS
K4CCR NEWTON .....88.5 NC
KD4JFN PITTSBORO .....146.2 NC
KT4BU EASTOVER .....156.7 SC
WQ4E GREENBRIER .....107.2 TN
WB4GBI KNOXVILLE ..... TN
WF4O MCNAIRY .....107.2 TN
AD4ZK NORFOLK ..... VA
W4PNT WAYNESBORO ..... VA
KE8MR MORGANTOWN .....103.5 WV
147.6900 / 147.0900
KE4RWR BAINBRIDGE ..... GA
KC4YHM EATONTON .....179.9 GA
K2YRW YOUNG HARRIS ..... GA
KF4CWK DAWSON SPRINGS .....103.5 KY
N4MWA PHELPS ..... KY
KB5DSN AMORY ..... MS
N5MRS NEW HEBRON ..... MS
WB5FXH #SUMNER ..... NC
W4GDF GREENVL/ESTN NC ..... NC
KI4DH STAR/BISCOE .....100.0 NC
K4SHP MYR BCH/AYNOR ..... SC
KF4ATU ORANGEBURG .....156.7 SC
K4JLA PAULINE ..... SC
AG4UW CENTERVILLE .....123.0 TN
K4NLP JAMESTOWN .....100.0 TN
W4GMM MEMPHIS .....107.2 TN
WB4BKC GALAX/BRP MT ..... VA
N4TZE GOOCHLAND ..... VA
N4RAG MARLINTON .....131.8 WV
147.7050 / 147.1050
WB6RTH ATLANTA .....107.2 GA
KF4DG PEMBROKE ..... GA
N4EQT FRANKFORT .....107.2 KY
WA4ZAC HARLAN ..... KY
W5SAR WAYNESBORO ..... MS
WA4KNI HENDERSONVILLE ..... NC
K4ITL LILLINGTON .....82.5 NC
KD4NEC CLEVELAND ..... TN
K4TC HENDERSON ..... TN
W4LYR LEBANON .....100.0 TN
WB4JBJ BEDFORD ..... VA
KB4ZIN WILLIAMSBURG ..... VA
KA8AUW SPENCER .....100.0 WV
147.7200 / 147.1200
W4CMA CEDARTOWN ..... GA
K4HCA CLARKESVILLE ..... GA
KT4N #LINCOLNTON ..... GA
KA4KMT #LOUISVILLE ..... KY
KD4DVI PADUCAH .....179.9 KY
WB4ASZ WINCHESTER ..... KY
NO5N ACKERMAN ..... MS
N4GAS GASTONIA/SPCR MT ..... NC
WN4Z ROCKY MOUNT .....131.8 NC
W4GS MYRTLE BEACH ..... SC
W4GGM COLUMBIA .....127.3 TN
N4WAH MEMPHIS .....107.2 TN
K4EAJ OAK RIDGE .....82.5 TN
WG8S PATRICK SPRINGS .....107.2 VA
WB8DKM BRIDGEPORT ..... WV
WB8NAM MADISON ..... WV
147.7350 / 147.1350
N4BZJ DALTON .....118.8 GA
WR4SG LAKE PARK .....141.3 GA
KE4UWJ MILLEDGEVILLE .....123.0 GA
KF4CME BARBOURVILLE .....100.0 KY
KE4SZK FRANKLIN .....136.5 KY
KF4WMM SANDY HOOK .....107.2 KY
KB5UIX VOSSBURG .....136.5 MS
K4HXZ BREVARD ..... NC
K4ITL CHAPEL HILL .....82.5 NC
WA4US WILMINGTON .....67.0 NC
K4CCC CHESTERFIELD ..... SC
KG4BZN WALTERBORO ..... SC
K4WWV ALAMO ..... TN
N4AZJ PEARISBURG .....100.0 VA
KC4VDZ RICHMOND .....107.2 VA
KE8MR DAVIS .....103.5 WV
KC8TLG ROCKPORT .....123.0 WV
AA2LD VINELAND, NJ .....156.7 ZZ
147.7500 / 147.1500
WB4GQX CUMMING ..... GA
WA4IDS SAVANNAH ..... GA
KD4YGK LEBANON JCT. .....79.7 KY
KI5WI BOONEVILLE ..... MS
KF5IZ PEARL/RANKIN CO .....88.5 MS
K4VLY MORGANTON ..... NC
K4ITL ROANOKE RAPIDS .....82.5 NC
WD4NUN MONCKS CORNER ..... SC
WA4PCD NASHVILLE WEST .....114.8 TN
K4EAJ OAK RIDGE .....82.5 TN
KB4RFN CLINCHCO .....88.5 VA
KB8YDG RICHWOOD .....100.0 WV
147.7650 / 147.1650
KE4ZRT DOUGLAS .....141.3 GA
KF4XH #MACON ..... GA
N4OME MADRAS .....131.8 GA
N4NEQ MORGANTON .....151.4 GA
WA4WSM BOWLING GREEN ..... KY
WA4HBM LEXINGTON ..... KY
WB4UBY PRESTONSBURG ..... KY
W4UA HIGH POINT ..... NC
KD4PBK LUMBERTON .....88.5 NC
W4GWD GREENWOOD .....107.2 SC
KF4BRS ERWIN/UNICOI ..... TN
KC4YLL PARIS .....114.8 TN
WA4CEX PURYEAR ..... TN
KR4BT SPARTA/WHITE .....123.0 TN
KE4VNN LYNCHBURG .....141.3 VA
W4CM NEWPORT NEWS ..... VA
KA8TCF WESTON ..... WV
147.7800 / 147.1800
N4BMA AUGUSTA ..... GA
WD4NHW BALDWIN ..... GA
WB4BDP WARNER ROBINS .....107.2 GA
KE4ZJT LONDON .....151.4 KY
W4CN LOUISVILLE .....88.5 KY
N5LRL INDIANOLA ..... MS
KC5LIO WEST POINT ..... MS
WA1YYN EFLAND .....156.7 NC
AC4RC WILMINGTON .....88.5 NC
W4DXA FORT MILL ..... SC
W4HNK #SUMMERVILLE .....123.0 SC
WD4DES CLEVELAND .....118.8 TN
WA4KOG MEMPHIS ..... TN
K4ZGA NASHVILLE .....114.8 TN
KB4YKV AMELIA COURTHSE ..... VA
WD4ITN MONTEREY .....100.0 VA
N4NRV PKS KB/PULASKI .....103.5 VA
WD8OHX LEON ..... WV
147.7950 / 147.1950
K4JPD #AUSTELL .....85.4 GA
W4UCJ BOSTON ..... GA
KT4SH CADIZ .....103.5 KY
KJ4VF LEXINGTON ..... KY
KJ4VF WINCHESTER .....100.0 KY
KC5YUX SILVER CREEK .....136.5 MS
N4NIN #LENOIR ..... NC
KO4CW RALEIGH .....88.5 NC
W4APE FLORENCE ..... SC
KC4FV ARNOLD A.F.B. ..... TN
KD4CWB KNOXVILLE .....100.0 TN
AF4OQ SARDIS .....94.8 TN
WA4RTS LYNCHBURG .....136.5 VA
WT4RA SMITHFIELD .....100.0 VA
NV8H LOGAN SOUTH .....100.0 WV
147.8100 / 147.2100
KF4GHF CONYERS .....162.2 GA
K4NLX SAVANNAH ..... GA
KM4M BLACK MTN .....103.5 KY
K4HY OWENSBORO .....110.9 KY
N5SPJ UNION .....100.0 MS
W4BUZ GREENSBORO ..... NC
W4SLH ORIENTAL .....151.4 NC
W4NTQ WHITEVILLE ..... NC
K4AVU LITTLE MT. ..... SC
W4HPL COOKEVILLE ..... TN
WF4Q JACKSON .....107.2 TN
KB8NJH AMBER RIDGE .....107.2 WV
N8FMD CLARKSBURG .....103.5 WV
147.8250 / 147.2250
W8JI BARNESVILLE ..... GA
NE4GA COMMERCE .....123.0 GA
KG4ABK DOERUN ..... GA
W4RLP SUMMERVILLE .....100.0 GA
KY4SP LITCHFIELD .....179.9 KY
W5BJT #FRENCH CAMP ..... MS
WB4SRV CLAREMONT .....162.2 NC
WR4AGC HILLSBOROUGH ..... NC
W4DTW ST. GEORGE ..... SC
NO4Q MCEWEN .....114.8 TN
WB4OAH MORRISTOWN ..... TN
KA4VXR HAMPTON .....136.5 VA
WB8NRK PRINCETON .....114.8 WV
KA1OKQ CONCORD, NH .....100.0 ZZ
147.8400 / 147.2400
AE4JO EMERSON .....103.5 GA
WB4NFG IRWINTON .....77.0 GA
KC4QK ASHLAND .....107.2 KY
W4GZ FARMINGTON .....91.5 KY
KC4AI FRANKFORT .....100.0 KY
KF4TLT HYDEN .....186.2 KY
WJ5PPB PELAHATCHIE .....77.0 MS
N5ELS LUCEDALE ..... MS
KG4BOS CARTHAGE ..... NC
KG4JIA CHERRY MTN .....94.8 NC
W4GHZ FRANKLIN .....151.4 NC
W4IAR HILTON HEAD ..... SC
AC4VT LANCASTER .....88.5 SC
KD4TMW MYRTLE BEACH .....85.4 SC
W4LKZ GALLATIN .....114.8 TN
KD4ZTK BOYDTON ..... VA
N4MCQ ELK CRK/IRON MT .....107.2 VA
AB8WB GASSAWAY .....123.0 WV
147.8550 / 147.2550
KR4NQ SNELLVILLE .....107.2 GA
AE4PO WAYCROSS .....141.3 GA
N4IOX #DIXON ..... KY
K4CO HIGHLAND HTS. .....123.0 KY
KC5RC LAUREL ..... MS
WA4KNI HENDSVL/PENIC ..... NC
K4ITL LEVEL CROSS .....82.5 NC
W4RRC LEESVILLE .....123.0 SC
AG4UW CENTERVILLE .....123.0 TN
KJ4SI PETROS/FRZ HD MT ..... TN
K4BW ACCOMAC .....156.7 VA
WD4CYZ #CLINCHCO ..... VA
KC8CNL HINTON .....100.0 WV
WC8EC PARKERSBURG ..... WV
147.8700 / 147.2700
KF4ZUR ALLENHURST .....162.2 GA
W4VIR AMERICUS .....141.3 GA
KF4GHF COVINGTON .....162.2 GA
WB4EJK LOUISVILLE .....151.4 KY
KE4AIE ST. CHARLES ..... MS
WB5USN ABERDEEN .....210.7 MS
K5ZRO VICKSBURG .....100.0 MS
W4CQ CHARLOTTE ..... NC
AK4H RALEIGH/BENSON ..... NC
N4SM WAYNESVILLE ..... NC
W4ANK CHARLESTON AREA ..... SC
WA4JRJ SENECA/LONG MT ..... SC
WD4BKY GALLATIN .....114.8 TN
WB0TMC JACKSON ..... TN
KE4FH JOHNSON CITY ..... TN
WB4IKL GUM SPRING ..... VA
KB4QWO ROANOKE/POOR MT ..... VA
WV8AR SCOTT DEPOT .....123.0 WV
147.8850 / 147.2850
W4PVW ASHBURN/TIFTON .....141.3 GA
KA5WZY ATLANTA ..... GA
KC4WWU KINGSLAND .....118.8 GA
KC4ZFH LONDON ..... KY
KA4FGA MARION ..... KY
N5LJC COLUMBIA ..... MS
K5WHB CORINTH ..... MS
W4RCW TRYON ..... NC
N4ADM AIKEN ..... SC
N4LV MYB BCH/BRKSVIL ..... SC
KF4JPT PIKEVILLE ..... TN
KF4KVG MARTINSVILLE .....107.2 VA
KA4ZIP WARSAW ..... VA
WB8LG PINEVILLE ..... WV
N8HON SPRUCE KNOB ..... WV
W3PS OCEAN CITY, NJ .....156.7 ZZ
147.9000 / 147.3000
N4ALE COLBERT .....123.0 GA
WB4YSV ROME ..... GA
WR4MG WARNER ROBINS .....107.2 GA
K4ICN ALLEN .....123.0 KY
WA4SJH SPRINGFIELD ..... KY
KA5LNY MAGEE ..... MS
WA1YSB JEFFERSON .....103.5 NC
N4JEX KANNAPOLIS .....136.5 NC
W4MZP #RED SPRINGS ..... NC
WB4IUY WILSON .....88.5 NC
KE4HHR CHARLESTON .....103.5 SC
W4CAT GALLATIN .....114.8 TN
W4BBB KNOXVILLE/RACK .....100.0 TN
WA4ADT MEMPHIS .....107.2 TN
W4LG FRANKLIN .....131.8 VA
KI4ZR LEXINGTON ..... VA
WB8NSL HARRISVL/PENSBRO .....107.2 WV
147.9150 / 147.3150
AD4EQ DOUGLAS .....141.3 GA
W4STJ FORSYTH .....88.5 GA
W4LJM #HODGENVILLE ..... KY
KC4VXR SALEM ..... KY
KD5MIS HATTIESBURG .....136.5 MS
N5DWU WAYNESBORO ..... MS
KF4HFQ ROLESVILLE .....88.5 NC
K4MPJ SARATOWN MT .....100.0 NC
K4PPD SHALLOTTE .....118.8 NC
K4JLA SPARTANBURG ..... SC
KD4HZN ROGERSVILLE .....114.8 TN
N4ARK SPARTA .....123.0 TN
KE4VQM TELLICO PLAINS .....141.3 TN
K4HWQ GRUNDY ..... VA
W3PS CHESTER, PA .....156.7 ZZ
147.9300 / 147.3300
W3LAP COCHRAN .....77.0 GA
WB4BXO LAGRANGE ..... GA
K4NLX SAVANNAH ..... GA
N4MTN TOCCOA ..... GA
WA8KWH ASHLAND ..... KY
KA4CFW BOWLING GREEN ..... KY
W4JTL MT. STERLING .....103.5 KY
N4IUI #PROVIDENCE ..... KY
N5EPP PHILADELPHIA ..... MS
WA4FLR FAYETTEVILLE ..... NC
KN4K LENOIR/HIBRITN .....141.3 NC
KF4GHC COLUMBIA .....156.7 SC
WD4ORB MORGAN COUNTY .....82.5 TN
WD4RBJ PULASKI .....100.0 TN
KI4ZR LEXNGTN/ROCK MT..... VA
147.9450 / 147.3450
N4NEQ ATLANTA/MARIETTA .....151.4 GA
N4PJR JESUP/SCREVEN .....141.3 GA
WD4JZH LEBANON .....151.4 KY
KG5SF GREENVILLE ..... MS
N5ZMZ UTICA ..... MS
WA4IXW MADISON .....103.5 NC
W4NYR SHELBY ..... NC
KF4DTL SYLVA .....151.4 NC
WA4TEP WASHINGTON ..... NC
N7GZT CHARLESTON ..... SC
KB4RRC PALMETTO ..... SC
K4BBN CROSS PLAINS ..... TN
K4PHT DAYTON ..... TN
NM4L ABINGDON .....103.5 VA
KC4KMY EASTVILLE .....156.7 VA
W3RUA FRANKLIN ..... WV
KB8QXP LOGAN/SUMERCO .....100.0 WV
147.9600 / 147.3600
W4SCR DOUGLASVILLE .....88.5 GA
WA4HZX DUBLIN ..... GA
KQ9Z LOUISVILLE ..... KY
W5CJR HATTIESBURG ..... MS
KC5QGC LOUISVILLE ..... MS
K5SVC NATCHEZ .....100.0 MS
WA4J BOONE/RICH MTN .....103.5 NC
WD4LDB DURHAM ..... NC
W4PET LUMBERTON ..... NC
N4EOY COLUMBIA ..... SC
KA4OAK LAFOLLETTE ..... TN
W4BS MEMPHIS .....107.2 TN
AF4TZ NASHVILLE ..... TN
K4KLX PARIS ..... TN
KA4CBB CHESTERFIELD ..... VA
KB4OLM STUARTS DRAFT ..... VA
N8FWL BECKLEY .....123.0 WV
WV8TC MIDDLEBOURNE .....110.9 WV
K7SOB SKYLINE .....127.3 WV
147.9750 / 147.3750
K4TQU ATHENS/CRAWFRD .....127.3 GA
KB4VAK LAFAYETTE .....77.0 GA
K4XYZ BUCKHORN LAKE .....103.5 KY
K4CO WALTON .....123.0 KY
KA5VFU GULFPORT ..... MS
KD4EAD BETHEL .....151.4 NC
KD4WAR BURNSVILLE ..... NC
K4GWH GRAHAM .....114.8 NC
KI4CB GEORGETOWN ..... SC
K4LEO #GREENWOOD ..... SC
KN4HL DICKSON ..... TN
W4NRV PEARISBURG .....100.0 VA
WD8LNB GRAFTON .....118.8 WV
147.9800 / 147.3800
WB5NAY PONTOTOC ..... MS
147.9900 / 147.3900
KE4SNT #BLACK ROCK MT ..... GA
W4CJB PEMBROKE ..... GA
W4OHH THOMASTON .....131.8 GA
N4INT #ARTEMUS .....107.2 KY
WR8CRA COVINGTON .....123.0 KY
KY4OC CRESTWOOD .....151.4 KY
N8QCW LOUISA .....127.3 KY
KC5QHP FOREST .....100.0 MS
WB4IUY CLAYTON .....88.5 NC
WA4QBG EDEN/STONEVILLE ..... NC
WA4CHZ LOCUST .....100.0 NC
K4PPD #SHALLOTTE .....88.5 NC
N4DTR WAYNESVILLE ..... NC
KA4FEC LEXINGTON ..... SC
KF4L CLARKSVILLE .....123.0 TN
K4DPD DAYTON/RHEA CTY ..... TN
KQ4E #MORRISTOWN ..... TN
WA4BJY OAKFIELD ..... TN
KF4TNP #RICHLAND .....167.9 TN
K4ARO PETERSBURG ..... VA
N8RCG KEYSER .....123.0 WV
WV8D LEWISBURG .....100.0 WV
WD8CYV PARKERSBURG .....141.3 WV

220 MHZ

222.1800 / 223.7800
WD8OHX #LEON ..... WV
222.3000 / 223.9000
WB4SJV HERMITAGE ..... TN
222.3400 / 223.9400
KC4QK ASHLAND ..... KY
N4GSM ROBBINSVILLE ..... NC
W4ZJM MEMPHIS .....*# TN
222.3600 / 223.9600
WR3S SMITHVILLE ..... TN
AA2LD MILLVILLE, NJ .....156.7 ZZ
222.3800 / 223.9800
W4CAT GALLATIN .....107.2 TN
W3PS OCEAN CITY, NJ .....156.7 ZZ
222.4200 / 224.0200
WB4JEH #CONYERS ..... GA
222.4600 / 224.0600
W4NYR SHELBY ..... NC
222.5000 / 224.1000
K4SWS EATONTON .....179.9 GA
KA4UHL NANCY .....100.0 KY
KF4TNP LEWISBURG ..... TN
WB4YHD FAIRFAX ..... VA
N4CH ROANOKE ..... VA
222.5200 / 224.1200
N4NFP ATLANTA/MARIETTA .....151.4 GA
WM4MD MIDDLESBORO .....82.5 KY
K4ITL CHAPEL HILL ..... NC
W4GL SUMTER ..... SC
WV8B FLAT TOP/WINTRPL.....100.0 WV

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

222.5400 / 224.1400
KD4ALC WALESKA ..... GA
WR4BEG SOPHIS/RANDLEMAN ..... NC
WB4QHF PICKENS/CSRS HD ..... 131.8 SC
KB4PNG ONEIDA ..... TN
N4HRV CHARLOTTESVILLE ..... 88.5 VA
N8FWL LEWISBURG ..... 123.0 WV
WR8M WILLIAMSON ..... WV
222.5600 / 224.1600
KC4JNN BISKEY MTN ..... 100.0 GA
KN4K LENOIR/HIBRITN ..... NC
K4ITL RALEIGH ..... NC
N7GZT COLUMBIA ..... SC
WR3S NASHVILLE ..... TN
KF4VED BLUEMTN ..... VA
222.5800 / 224.1800
N4YDX DALLAS ..... GA
N7GZT ORANGEBURG ..... SC
KB8FPK ERWIN ..... TN
WA1ZMS BEDFRD/APL ORCH ..... 100.0 VA
222.6000 / 224.2000
KC4OVY #ATLANTA-NE ..... 100.0 GA
WA4US WILMINGTON ..... NC
W4ILY GREENVILLE ..... SC
W4CBX BLOUNTVILLE ..... TN
W4JAS HAMPDEN-SYDNEY ..... VA
222.6200 / 224.2200
KB0Y RAY CITY ..... 141.3 GA
AD4CR VERSAILLES ..... KY
NF4C ROCKY MOUNT ..... NC
KB4FZK KNXVL/CROSS MT ..... 100.0 TN
KO4BN SPRINGFIELD ..... TN
N3HXT WINCHESTER ..... VA
KC8LRN HILLSBORO ..... 131.8 WV
222.6400 / 224.2400
N4YYD FT MT/CHATSWTH ..... 71.9 GA
WA4KNI HENDSVL/BERWLW ..... NC
KE4QOX KVILLE/HIPOINT ..... 107.2 NC
N8FWL BECKLEY ..... 123.0 WV
222.6600 / 224.2600
KE4QFG MARIETTA ..... 110.9 GA
K4NLT GARRETT ..... 79.7 KY
WA4BVW ASHVLMT PISGAH ..... NC
WR4AGC HILLSBOROUGH ..... NC
N4PYI SHORT MTN. ..... 114.8 TN
222.6800 / 224.2800
N4MNA CONLEY ..... GA
AC4RZ PICKENS ..... SC
KA4OAK LAFOLLETTE ..... TN
AB4M LYNCHBURG ..... VA
222.7000 / 224.3000
KB4TIW VILLA RICA ..... 131.8 GA
KA4MKT LOUISVILLE ..... KY
N4AI SOMERSET ..... KY
WA4WRS BARIUM SPRINGS ..... NC
KE4CKJ STAUNTON/EL KNOB ..... 131.8 VA
222.7200 / 224.3200
N4MTA ACWORTH/ATL ..... 123.0 GA
KA4SQN JACKSONVILLE ..... NC
W4IT PICKENS/SASFR MT ..... SC
KK4US CLEVELAND ..... TN
223.7200 / 224.3200
K4TDO LYNCH ..... KY
222.7400 / 224.3400
W4DOC ATLANTA ..... 146.2 GA
WW4DC THOMASVILLE ..... 88.5 NC
WB4GBI KNOXVILLE ..... TN
KM4OI TYSONS CORNER ..... VA
N8FWL BECKLEY/OAK HILL ..... 123.0 WV
222.7600 / 224.3600
N4BZJ DALTON ..... GA
WB4PAC GRIMESLAND ..... NC
KF4ZDS MARSHALL ..... NC
WR3S LAVERGNE ..... TN
KE4JSV LURAY ..... VA
WB8YST CHARLESTON ..... 107.2 WV
222.7800 / 224.3800
N4RBT DAHLONEGA ..... 100.0 GA
WR4AMS META ..... KY
N4OQJ KNOXVILLE ..... 100.0 TN
WS4W RIDGEWAY ..... VA
222.8000 / 224.4000
KC4AQS JASPER ..... 100.0 GA
W4BFB CHARLOTTE ..... NC
WB4QHF PICKENS ..... 131.8 SC
KB4YGI COLLIERVILLE ..... TN
N4RBB MORRISTOWN ..... TN
W8COX SUTTON ..... 123.0 WV
W3PS POTTSTOWN, PA ..... 156.7 ZZ
222.8200 / 224.4200
KD4AOZ WATKINSVILLE ..... 123.0 GA
AC4AO LEXINGTON ..... KY
N4PJX CLARKESVILLE ..... 123.0 TN
W4BS MEMPHIS ..... TN
WD4GSM NORTON/HIGH KNB ..... VA
WG8S PATRICK SPRINGS ..... 103.5 VA
WD4KHP BELL KNOB ..... VA
222.8400 / 224.4400
N4NEQ ATLANTA/MARIETTA ..... 151.4 GA
WB4GUG GREENSBORO ..... 107.2 NC
KN4CW WEST SPRINGS ..... SC
KC4TFQ #NASHVILLE ..... TN
N2FUV SEVIERVILLE ..... TN
N8FWL BLUEFIELD ..... 123.0 VA
222.8600 / 224.4600
N4BZJ DALTON ..... 118.8 GA
KB0Y VALDOSTA ..... 141.3 GA
K4XYZ BUCKHORN LAKE ..... 103.5 KY
KC4ZTJ SHELBY ..... NC
WR3S NASHVILLE ..... TN
222.8800 / 224.4800
KC4FWC LOCUST ..... NC
K4ZGA NASHVILLE ..... TN
KD4HZN ROGERSVILLE ..... TN
KC8LRN CRAIGSVILLE ..... 91.5 WV
222.9000 / 224.5000
N4MTA ACWORTH/ATL ..... 123.0 GA
N4DRL BYHALIA ..... MS
AD4DN WILMINGTON ..... 88.5 NC
KG4JIA GAFFNEY ..... 123.0 SC
W4BBB KNOXVILLE/RACK ..... 100.0 TN
K4RCA MARTINSVILLE ..... VA
222.9200 / 224.5200
K4AIS PINE LOG MTN ..... GA
WR4AMS DORTON ..... KY
KD4CJG ASHEVILLE ..... 91.5 NC
N7GZT LITTLE MTN ..... SC
222.9400 / 224.5400
N4YEA DALLAS ..... GA
WA4BVW MT MITCHELL ..... NC
N8ITF SPRINGFIELD ..... TN
WB4PVT HAMPTON ..... 100.0 VA
N8FWL BECKLEY - WEST ..... 123.0 WV
222.9600 / 224.5600
W4RRG LOOKOUT MT ..... GA
KD4RXF LANCASTER ..... KY
N5CWH LEESVILLE ..... 162.2 SC
AC4JF NEWPORT ..... 100.0 TN
K4YW WYTHEVILLE ..... 77.0 VA
KC8CSE GREENBANK ..... 123.0 WV
222.9800 / 224.5800
NX9O ALPHARETTA ..... 100.0 GA
WB4F PIKEVILLE ..... KY
KR4AA ROCKY MOUNT ..... NC
KB4VFD CROSS ..... SC
N4KFT KNOXVILLE ..... 103.5 TN
223.0000 / 224.6000
W4UWH JASPER ..... 100.0 GA
WB4PLA ASHEVILLE ..... NC
KC4KUL #BIG PHOENIX MTN ..... 100.0 NC
KD4TZZ MURFREESBORO ..... 123.0 TN
W4LG LAKE GASTON ..... VA
223.0200 / 224.6200
W4PME ATLANTA/BELL ..... 100.0 GA
KD4DAR PIKEVILLE ..... KY
KC4IRA GASTONIA ..... 127.3 NC
KD4JFN HAW RIVER ..... 107.2 NC
W4UWH GATLINBURG ..... TN
W4GSF GLOUCESTER ..... VA
223.0400 / 224.6400
W4RRG LOOKOUT MT. ..... GA
KG4JIA CHERRY MTN ..... 71.9 NC
W4RNC RALEIGH ..... NC
N7GZT COLUMBIA ..... SC
KC4RGQ MORRISTOWN ..... TN
N8FWL HINTON/BECKLEY ..... 123.0 WV
223.0600 / 224.6600
NP2Y YOUNG HARRIS ..... 100.0 GA
KE4RQL BIG KNB/MARS HIL ..... 100.0 NC
WA1YYN EFLAND ..... 107.2 NC
W4VFR SUMTER/SHAW ..... SC
WR3S NASHVILLE ..... TN
223.0800 / 224.6800
N4BZJ DALTON ..... GA
KJ4VF STANVILLE ..... 100.0 KY
WB4QPF WILMINGTON ..... NC
KA4RCL WAYNESBORO ..... 131.8 VA
W3PS EAGLEVILLE, PA ..... 156.7 ZZ
223.1000 / 224.7000
W4TIY DALLAS ..... GA
WB9SZL CLEMMONS ..... 100.0 NC
KM4TC DUNCAN ..... 88.5 NC
KD4VUW GALLATIN ..... TN
KD4IBW SEVIERVILLE ..... 100.0 TN
K4ARO PETERSBURG ..... VA
WS8L CHARLESTON ..... 123.0 WV
223.1200 / 224.7200
W4UWH CLAYTON ..... GA
WR4AMS PRESTONSBURG ..... KY
WA4DAN TRENTON ..... NC
K4MFD GREENEVILLE ..... 173.8 TN
KC8LRN SLATY FORK ..... 91.5 WV
223.1400 / 224.7400
N4KVC DALTON ..... GA
KD4WAR BURNSVILLE ..... NC
N4NCK OXFORD ..... NC
N4PYI NASHVILLE ..... 100.0 TN
KC4JGC NORFOLK ..... 100.0 VA
N8FWL BECKLEY - SOUTH ..... 123.0 WV
223.1600 / 224.7600
W4BOC #DECATUR ..... GA
KJ4VF MOREHEAD ..... 100.0 KY
KB7BTU PLYMOUTH ..... 131.8 NC
W4EXU SALISBURY ..... NC
WQ4E GREENBRIER ..... TN
K4PCK KNOXVILLE ..... TN
WR3S S. PITTSBURG ..... TN
WA4TFZ CHARLOTTESVILLE ..... VA
223.1800 / 224.7800
KC4KLW CEDARTOWN ..... 179.9 GA
WB5OWY VICKSBURG ..... MS
N4IV EDEN ..... 103.5 NC
KO4BR ORANGEBURG ..... SC
K4VCM CHATTANOOGA ..... TN
KE4FH JC/BUFFALO MT ..... TN
WA4KOG MEMPHIS ..... TN
W4IY WOODBRIDGE ..... VA
223.2000 / 224.8000
WZ4SC FORT MILL ..... SC
WQ4E GREENBRIAR ..... TN
KD4IBW SEVIERVILLE ..... TN
KC8LRN LEWISBURG ..... 131.8 WV
KA1OKQ CONCORD, NH ..... 103.5 ZZ
223.2200 / 224.8200
KK4C ATLANTA ..... 77.0 GA
WR4MG HAWKINSVILLE ..... 107.2 GA
WR4AMS HAZARD ..... KY
N4DWU CANTON ..... NC
KF4IXK KERNERSVILLE ..... 107.2 NC
223.2400 / 224.8400
W4TL GAINESVILLE ..... 203.5 GA
WR4MG WARNER ROBINS ..... GA
WA4NC BANNER ELK ..... NC
WA4DAN GRIFTON ..... NC
KC4WGH COALFIELD ..... 88.5 TN
KC4PRD NASHVILLE ..... TN
N4PLV BEDFORD ..... VA
N8FWL ANSTED ..... 123.0 WV
223.2600 / 224.8600
KC4JNN ALPHARETTA ..... 100.0 GA
K4NOC BISHOPVILLE ..... SC
KQ4Q PEARISBURG ..... 107.2 VA
223.2800 / 224.8800
WD4LUQ YORKVILLE ..... 77.0 GA
N4AI SOMERSET ..... KY
N4DRL WARSAW ..... MS
K4AIH ANDRWS/ROBINSVL ..... NC
W4JYV CARY ..... 88.5 NC
K4DQ FANCY GAP ..... 100.0 VA
223.3000 / 224.9000
W4LMA MARIETTA ..... GA
N4EQT LAWRENCEBURG ..... 107.2 KY
N4EOY COLUMBIA ..... SC
W4WC GREENEVILLE ..... 100.0 TN
WD9JGI SWEETWATER ..... 127.3 TN
AA4HQ DEXTER ..... VA
KD4DG ROANOKE/TINKER ..... VA
223.3200 / 224.9200
W4CSX SNELLVILLE ..... 100.0 GA
W4NYK GRNVL/DOWNTWN ..... 88.5 SC
W4RRG CLEVELAND ..... TN
WA8O BLUEFIELD ..... VA
223.3400 / 224.9400
WB4KXO AUGUSTA ..... GA
K4AIS WALESKA/PNLG ..... GA
AD4RT IRVINE ..... KY
N4JJ FLORENCE ..... SC
WB4NKM GREENEVILLE ..... TN
WA4PCD NASHVILLE ..... TN
N2EDE ROANOKE ..... 107.2 VA
223.3600 / 224.9600
K4RFL ATLANTA/MARIETTA ..... 100.0 GA
KC4ZTJ CHERRYVILLE ..... NC
N4QVI GREENSBORO ..... NC
N4UQS HENDERSONVILLE ..... NC
WR3S SE NASHVILLE ..... TN
W3PS CHESTER, PA ..... 156.7 ZZ
223.3800 / 224.9800
K4JSR CUMMING ..... GA
WR4AMS LONDON ..... KY
W4LG CHESAPEAKE ..... VA

440 MHZ

426.0500 / 420.0500
K4CQ LYNCHBURG ..... 136.5 VA
434.0000 / 421.2500
W4ZTL ATLANTA/BELL ..... GA
K4NLX SAVANNAH ..... GA
KJ4SQ DURHAM TV HILL ..... NC
KO4AT GREENSBORO ..... NC
WD4ATV JOHNSON CITY/BUF ..... TN
WA4GSS HUNTINGTON ..... WV
KB8QHO WHEELING ..... WV
439.2500 / 421.2500
W4BEJ ELIZABETHTOWN ..... KY
W4PPN CHARLOTTE ..... NC
N4GUP LEXINGTON ..... SC
WZ4O SUMTER ..... SC
N4XND GLOUCESTER ..... VA
W4HTB BOWLING GREEN ..... KY
KA5NOJ GAUTIER ..... MS
N3XA WAYNESBORO ..... VA
WA4VHP SAVANNAH ..... GA
W4NYR #SHELBY ..... NC
438.7750 / 433.0750
WA3KOK CHESTERFIELD ..... VA
438.8000 / 433.2000
WD4ICX FANCY GAP ..... VA
446.2500 / 441.2500
NQ4Y MONTEAGLE MT. ..... TN
446.3500 / 441.3500
KD4DXR #WALESKA ..... GA
WA4USN KNIGHTSVILLE ..... SC
446.4500 / 441.4500
WA4USN MT. PLEASANT ..... SC
446.5250 / 441.5250
N4KJU PAINTSVILLE ..... 127.3 KY
KG4AQH GREELEYVILLE ..... SC
446.6000 / 441.6000
WA4AYB RICHMOND ..... VA
446.6250 / 441.6250
W4ERT TAYLORSVILLE ..... 123.0 NC
446.7750 / 441.7750
K4IJ ROANOKE ..... VA
446.8000 / 441.8000
KC4YNF ACWORTH ..... 77.0 GA
AF4MI PEMBROKE ..... 123.0 GA
AD4CC UNION ..... 179.9 KY
446.8250 / 441.8250
KA4MLK ROME ..... 100.0 GA
446.8500 / 441.8500
KF4QLF GRIFFIN ..... GA
K4WOC SUGAR VALLEY ..... 103.5 GA
KY4JD FORT WRIGHT ..... KY
446.8750 / 441.8750
K4NRC NEWNAN ..... 156.7 GA
KF4BJO GAFFNEY ..... 123.0 SC
KD4TZZ MURFREESBORO ..... 107.2 TN
446.9000 / 441.9000
WB4GQX CUMMING ..... 141.3 GA
N2QJI ZIRCONIA ..... 94.8 NC
AG4VT PACOLET ..... 100.0 SC
446.9250 / 441.9250
W4CSX DALLAS ..... 162.2 GA
446.9500 / 441.9500
KE4OKD SANDY SPRINGS ..... 156.7 GA
K4TUE NEWPORT ..... 107.2 VA
446.9750 / 441.9750
WB4ULK COLUMBUS ..... GA
NE4GA COMMERCE ..... 123.0 GA
KG4BTN GREENSBORO ..... 162.2 NC
447.0000 / 442.0000
WB6RTH ALPHARETTA ..... 107.2 GA
AF4UL MACON ..... 100.0 GA
N4ORL LOUISVILLE ..... KY
N4HAJ KINSTON ..... 88.5 NC
AI4M GAFFNEY ..... 114.8 SC
K4TTC HOHENWALD ..... TN
K4BTL MARYVILLE ..... TN
W4LG GASBURG ..... VA
WB3T WYTHE/WALKER MT ..... 103.5 VA
447.0250 / 442.0250
W4CML ATLANTA ..... 127.3 GA
KD4KMK YADKINVILLE ..... 100.0 NC
WJ9J CHATTANOOGA ..... TN
447.0500 / 442.0500
N1KDO MARIETTA ..... 107.2 GA
KD4ADJ LEXINGTON ..... KY
WA1YYN EFLAND ..... 107.2 NC
KD4XV JASPER ..... 127.3 TN
WB4SQC #JOHNSON CITY ..... 100.0 TN
WA4BJY MEDINA ..... TN
447.0250 / 442.0750
W8BLA ROSWELL ..... GA
447.0750 / 442.0750
N4VOS STANTON ..... KY
KD4PBS APEX ..... 114.8 NC
K4JLA COLUMBUS ..... 103.5 NC
WA1DW WILMINGTON ..... 88.5 NC
KJ4BJ DAYTON ..... TN
KA4BNI LEXINGTON ..... 107.2 TN
KF4UCI CHARLOTTESVILLE ..... 151.4 VA
447.1000 / 442.1000
K4HUM NORCROSS ..... 100.0 GA
N4RBL LOUISVILLE AREA ..... KY
N4IV WENTWORTH ..... 103.5 NC
K4USC UNION ..... SC
KF4TNP LEWISBURG ..... 107.2 TN
KG4FZS MADISONVILLE ..... 141.3 TN
WD4PAX MAN ..... TN
447.1250 / 442.1250
W4ZT ATL/UNION CITY ..... 100.0 GA
KD4GRU BLUERIDGE ..... 146.2 GA
KG4IWI HENDERSON ..... 88.5 NC
WT4IX NEWEL ..... 156.7 NC
WT4F PICKENS ..... SC
KB4YFV HILLSVILLE ..... 103.5 VA
447.1500 / 442.1500
KD4RTR DORTON ..... 167.9 KY
W4UNC CHAPEL HILL ..... 131.8 NC
N4SJW CHARLESTON ..... SC
WJ9J CHATTANOOGA ..... TN
KA4BNI DRESDEN ..... 107.2 TN
WD4RBJ PULASKI ..... 118.8 TN
KA4CBB CHESTERFIELD ..... VA
447.1750 / 442.1750
N4BZJ DALTON ..... 118.8 GA
K4NGQ FRANKFORT ..... 67.0 KY
KC4UBR LINVILLE ..... 136.5 NC
KE4GYN ROXBORO ..... 156.7 NC
WA4US WILMINGTON ..... NC
KU4ZS SPARTANBURG ..... 123.0 SC
W4GMM MEMPHIS ..... 107.2 TN
W4VSP WYTHEVILLE ..... 103.5 VA
447.2000 / 442.2000
KF4SKT BLAIRSVILLE ..... GA
N3APR DECATUR ..... GA
AA5SG ELLISVILLE ..... 167.9 MS
WA4US WILMINGTON ..... NC
N7GZT COLUMBIA ..... 162.2 SC
WM4T GRAY ..... 100.0 TN
WA4BJY OAKFIELD ..... TN
N4IFC LYNCHBURG/T.ROW ..... 103.5 VA
447.2250 / 442.2250
WB6RTH #ATLANTA ..... 107.2 GA
WJ9J RCKWOOD/OZONE ..... TN
NO4Q WAVERLY ..... 110.9 TN
447.2500 / 442.2500
K4HAC MADRAS ..... 141.3 GA
AA5SG ELLISVILLE ..... 136.5 MS
KB4POA GREENVILLE ..... SC
WD4DES CLEVELAND ..... 118.8 TN
WA4PGI COVINGTON ..... 100.0 VA
447.2750 / 442.2750
K4DDH MACON ..... 100.0 GA
N4ZCM AUBURN ..... NC
KO0NTZ LEXINGTON ..... 146.2 NC
KF4CFO ETOWAH ..... 141.3 TN
KE4PFW HENDERSON ..... TN
K8VKB RICHWOOD ..... 123.0 WV
447.3000 / 442.3000
KW4KW RINGGOLD ..... 118.8 GA
WW4T STATHAM ..... GA
KC4QPR MORG/WALKER TOP ..... 94.8 NC
KC4ED SUMMERVILLE ..... SC
WA4UCE COOKEVILLE ..... 107.2 TN
KC4VDZ RICHMOND ..... 114.8 VA
447.3250 / 442.3250
W4JLG MABLETON ..... GA
WM4MD MIDDLESBORO ..... 67.0 KY
K2IMO ELM CITY ..... 88.5 NC

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

447.3500 / 442.3500
WD4NHW BALDWIN ..... GA
KG4PTO COLLEGE PARK .....OT GA
KE4SZK RUSSELLVILLE .....136.5 KY
KF5TU LAKE GASTON .....100.H NC
WA4YGD LINCOLNTON ..... NC
KE4VNN LYNCHBURG .....136.5 VA
KF5TU MCKINNEY, TX .....100.0 ZZ

447.3750 / 442.3750
KE4QFG MARIETTA ..... GA
KE4YRE SHELBYVILLE ..... KY
WA4PXV HICKORY ..... NC
KG4CEO CUMBERLAND FU .....107.2 TN

447.4000 / 442.4000
W2SJB DULUTH .....100.0 GA
N4UER WARM SPRINGS ..... GA
KF4JJD GARRETT .....79.7 KY
AA4XV LATONIA ..... KY
WB4QHF PICKENS/CSRS HD .....127.3 SC
KA4BNI HORNBEAK .....107.2 TN
KF4YI LYNCHBG/JACK MT.....107.2 VA

447.4250 / 442.4250
K4SWS EATONTON ..... GA
WK4E KENNESAW .....107.2 GA
KC4FIE MADISONVILLE ..... KY
K4AE #LEXINGTON .....107.2 NC
AF4ZJ CHATTWALDEN ..... TN
KA4BNI JACKSON .....107.2 TN

447.4500 / 442.4500
W4CML SNELLVILLE ..... GA
KD4CLR LOUISVILLE AREA .....151.4 KY
WA4TOG HENDERSONVILLE ..... NC
N4LMR RALEIGH ..... NC
KD4NED CLEVELAND .....88.5 TN
W8MOP BLUEFIELD ..... VA
WA3KOK CHESTERFIELD .....107.2 VA

447.4750 / 442.4750
K4NVG LAVONIA .....203.5 GA
W1MED MARLOW .....114.8 GA
W4RRG ROSSVILLE .....100.0 GA
KE4DGP WILKESBORO .....107.2 NC
AG4AN FOREST ..... VA

447.5000 / 442.5000
W4PSZ PEACHTREE CITY .....77.0 GA
KE4PMP VIDALIA .....88.5 GA
KB4RYM LOUISVILLE ..... KY
K4GFY MOREHEAD ..... KY
KG4JIA CHEROKEE MTN .....94.8 NC
K4YNY WILMINGTON .....88.5 NC
WB4HAP KNOXVILLE .....103.5 TN
K1YJ NASHVILLE .....107.2 TN
W4CA ROANOKE/POOR MT ..... VA

447.5250 / 442.5250
N4XQM ATLANTA .....110.9 GA
KY4JD FORT WRIGHT .....123.0 KY
N2QJI CONCORD .....94.8 NC
WB3T WYTHEVILLE .....103.5 VA

447.5500 / 442.5500
WB4JEH CONYERS .....151.4 GA
WD4ELX LOUISVILLE ..... KY
WA4TOG ASHEVILLE ..... NC
K1BUD PITTSBORO ..... NC
W4RAT RICHMOND .....127.3 VA

447.5750 / 442.5750
WA4BPY CUMMING .....79.9 GA
AE4LW MADISONVILLE .....100.0 KY
W4MLU RALEIGH ..... NC
KU4RT HENDERSON ..... TN
NU5O MEMPHIS .....77.0 TN
WB4IVB JONESVILLE .....100.0 VA

447.6000 / 442.6000
KD4FOC DUBLIN .....77.0 GA
WA4OKJ MARIETTA .....100.0 GA
KD4ADJ MT STERLING ..... KY
WD4NWV ANDRWS/ROBINSVL .....151.4 NC
WA4PXV VALDESE ..... NC
N8ITF SPRINGFIELD ..... TN
K4ARO PETERSBURG ..... VA
K4ARO ROANOKE ..... VA

447.6250 / 442.6250
K4VJM CLEVELAND .....100.0 GA
KD4CDX HARLAN .....100.0 KY
KE4KIV NEWTON ..... NC
WB4EPG MEMPHIS ..... TN

447.6500 / 442.6500
KE4FHN DANIELSVILLE ..... GA
W4RRG LOOKOUT MT .....100.0 GA
KD4GEU ASHEVILLE ..... NC
N4IBM CHARLOTTE .....88.5 NC
WA1ZMS BDFRD/APL ORCH .....100.0 VA

447.6750 / 442.6750
KE4PVE ATLANTA .....100.0 GA
KD4BOH ROCKPORT .....77.0 KY
KA2NAX MORAVIAN FALLS .....88.5 NC
W4ATC RALEIGH .....100.0 NC
WA4MPZ BLUFFTON .....100.0 SC
KA4BNI CONCORD .....107.2 TN

447.7000 / 442.7000
KC4ZGN ELLIJAY .....77.0 GA
W4MAZ MACON .....97.4 GA
K4NLX SAVANNAH ..... GA
KC4YOT GASTONIA .....100.0 NC
N4FV GREENVILLE ..... TN
WA4PZN SHELBYVILLE ..... TN
W7CP ROANOKE ..... VA

447.7250 / 442.7250
KE4QFG MARIETTA/ATL ..... GA
KB4YJ LOUISVILLE .....151.4 KY
N5LRQ VOSSBURG .....167.9 MS
AA4LB SIMPSONVILLE .....100.0 SC
W4RDM COLUMBIA ..... TN
KE4MBR DECATUR .....141.3 TN
KF4RMT VESTA .....107.2 VA

KB8PCW GILBERT ..... WV

447.7500 / 442.7500
N3DAB JASPER .....141.3 GA
KD4HEY ABBEVILLE .....162.2 SC
KE4SWV CASTALIAN SPRING .....123.0 TN
WD4KZK ROANOKE/MILL MT .....107.2 VA

447.7750 / 442.7750
KB4TIW VILLA RICA .....131.8 GA
KC4FIE MADISONVILLE ..... KY
KG4LWG GASTONIA .....123.0 NC
KF4CDR CHARLESTON ..... SC
AE4PZ MOUNTAIN REST .....127.3 SC
KE4CIF PULASKI ..... VA

447.8000 / 442.8000
N4NFP ATL/MARIETTA ..... GA
N4AAD YADKINVILLE .....100.0 NC
WD4LUR LAKE CITY .....100.0 TN
KA4BNI SELMER .....107.2 TN
KB4MIC GUM SPRING ..... VA

447.8250 / 442.8250
W1CP CLAYTON .....162.2 GA
KC4ENL HAPEVILLE .....167.9 GA
WF4G MEMPHIS ..... TN
KT4PN ONEIDA ..... TN

447.8500 / 442.8500
WB4HJG LAWRENCEVILLE .....82.5 GA
AG4AZ BREVARD ..... NC
KA4IXK ROANOKE/POOR MT ..... VA
WB8NSL PENNSBORO .....103.5 WV

447.8750 / 442.8750
K4RFL ATLANTA/MARIETTA .....100.0 GA
W3LAP COCHRAN .....77.0 GA
W4GSO GREENSBORO .....88.5 NC
KC4WHL HARRIMAN .....136.5 TN
KF4OCK LORETTO .....203.5 TN

447.9000 / 442.9000
KF4RLZ LAWRENCEVILLE .....123.0 GA
WR4MG WARNER ROBINS ..... GA
W4CMR IRVINE ..... KY
WW4DC THOMASVILLE .....88.5 NC
N4WT CHATT/HIXSON ..... TN
KA1FFQ CLARKSVILLE .....110.9 TN
KE4CES JACKSON .....114.8 TN
W4MT NEWPORT NEWS .....100.0 VA

447.9250 / 442.9250
WB4RL LITHIA SPRINGS .....100.0 GA
K4CH LEXINGTON .....107.2 NC
N5YKR LEXINGTON .....123.0 TN
WD4QAR WHITE OAK MT .....100.0 TN
KB8QKM CHARLESTON .....71.9 WV

447.9500 / 442.9500
AA4AI ATHENS .....179.9 GA
N4XGI ST SIMONS ISLAND .....131.8 GA
W4ERT TAYLORSVILLE .....151.4 NC
KB9EBA LENOIR CITY ..... TN
KC4YLL PARIS .....123.0 TN
AB4FU LYNCHBURG ..... VA
W4VB NORFOLK .....131.8 VA

447.9750 / 442.9750
WA4YNZ ATLANTA ..... GA
WA4YNZ #ROSWELL ..... GA
AG4TY WAYNESBURG ..... KY
KF4DAR KERNERSVILLE .....107.2 NC
NK4W LITTLE MT .....162.2 SC
KB8KSP ABINGDON .....100.0 VA

448.0000 / 443.0000
W4DRC CHATSWORTH ..... GA
KE4ZRT DOUGLAS .....141.3 GA
KT4GB BARDSTOWN ..... KY
KD4DVI PADUCAH .....179.9 KY
KI4RK GOLDSBORO .....100.0 NC
KW4LS LEBANON .....100.0 TN
W4ZJM MEMPHIS .....*# TN
KM4X WHITETOP MT .....103.5 VA
N8HZ HUNTINGTON ..... WV

448.0250 / 443.0250
W4CML ATLANTA .....127.3 GA
WA4RVB WRIGHTSVILLE .....156.7 GA
KE4OOL LEXINGTON .....123.0 KY
W4JKV GIBSONVILLE .....107.2 NC
K4UAG KNOXVILLE ..... TN
KA8YEZ WHEELING .....77.0H WV

448.0500 / 443.0500
NE1H SNELLVILLE ..... GA
W1WBT SAURATOWN MTN .....136.5 NC
N8FWL BECKLEY .....123.0 WV
W3PS CHESTER, PA .....156.7 ZZ

448.0750 / 443.0750
WA4ECO CANTON .....107.2 GA
WX4MA MACON .....156.7 GA
WR4BEX SOPHIA/RANDLEMAN ..... NC
KA4AZQ KNOXVILLE .....100.0 TN
KC8SDN FLATWOODS .....123.0 WV

448.1000 / 443.1000
N4KHQ DAHLONEGA .....100 GA
N4WJS OWENSBORO .....110.9 KY
KE4QOX SAURATOWN MT .....88.5 NC
KI4D ROCK HILL .....162.2 SC
KF4TNP BRICK CHURCH .....167.9 TN
KA4JXT MEMPHIS .....107.2 TN
KN4YM POWHATAN ..... VA
KE4QOX BECKLY/OAK HILL .....107.2 WV

448.1250 / 443.1250
KG4PUW STOCKBRIDGE .....100.0 GA
KU4ML FOSTER ..... KY
KB4PQA CRAB CREEK TWP ..... NC
WA4NNA RALEIGH ..... NC
KT4OL CHATTANOOGA ..... TN
KT4OL CHATTANOOGA ..... TN
KC4PRD GOODLETTSVILLE .....107.2 TN
KA4JXT HICKORY VALLEY .....107.2 TN
KA4JXT MEMPHIS ..... TN
WB3T MARION .....103.5 VA

448.1500 / 443.1500
KF4XH BYRON ..... GA
W4PME ROSWELL/BELL .....100.0 GA
KD4PBC MIDDLESBORO .....146.2 KY
W4HG SALISBURY .....136.5 NC
KD4PBC GATLINBURG .....146.2 TN
KD4PBC TRI-CITIES .....146.2 TN
K8MHR ST. ALBANS ..... WV

448.1750 / 443.1750
K4AIS CARTERSVILLE .....100.0 GA
KC4COV FLORENCE .....131.8 KY
KD4HLH LAURENS .....146.2 SC
KG4GCZ MT PLEASANT .....107.2 TN
WG8S PATRICK SPRINGS ..... VA

448.2000 / 443.2000
K4YC MCINTYRE .....77.0 GA
KD4APP PINE LOG MT .....103.5 GA
KC4FWC #STANFIELD .....77.0 NC
KC4WDI YOUNGSVILLE .....88.5 NC
W4WC GREENEVILLE .....100.0 TN
W4BS MEMPHIS .....107.2 TN
KB4YKV AMELIA ..... VA

448.2250 / 443.2250
WA4DIW JONESBORO ..... GA
KD4TAH FRANKLIN ..... KY
KS4TO WADDY ..... KY
W8EMX HUNTERSVILLE .....110.9 NC
N4ZCM RALEIGH ..... NC
W8LG BECKLEY/BOLT ..... WV

448.2500 / 443.2500
KC4JNN BISKEY MTN .....100.0 GA
KJ4VF DOVON ..... KY
KJ4VF MOREHEAD .....100.0 KY
N4JEX CHINA GROVE .....136.5 NC

448.2750 / 443.2750
KC4KLW ROCKMART .....179.9 GA
KF4TLA ASHEVILLE .....103.5 NC
WA4WTX ROUGEMNT/RED MT .....100.0 NC
WA4AWI LEBANON .....107.2 TN

448.3000 / 443.3000
WW4GA ATHENS ..... GA
W3PS DALLAS .....156.7 GA
KB5DZJ WIGGINS .....167.9 MS
KB4TOH COLUMBIA .....131.8 NC
AI4M FOREST CITY .....114.8 NC
KA7UEC COLLIERVILLE .....107.2 TN
WA4KJH GATLBG/COVE MT .....127.3 TN
WS8L CHARLESTON .....123.0 WV

448.3250 / 443.3250
N4JMD STOCKBRIDGE ..... GA
WA4CMO FRANKFORT ..... KY
KF4IXK KERNERSVILLE .....131.8 NC
WB3T DISMAL PEAK .....103.5 VA

448.3500 / 443.3500
N4YYD FT. MT/CHATSWTH .....71.9 GA
K4ULW LOUISVILLE SW ..... KY
W5CJR PETAL ..... MS
N4JEX KANNAPOLIS .....136.5 NC
W4IQQ GRNVLE/PARIS MT ..... SC
WA4AWI DEASON .....107.2 TN
K4GX ROGERSVILLE ..... TN
N8LHL ROCKPORT .....123.0 WV
KA1OKQ PETERBORO, NH .....110.9 ZZ

448.3750 / 443.3750
KC4AQS JASPER .....100.0 GA
W1IFL RALEIGH ..... NC
W4RCT INDEPENDENCE .....103.5 VA
KC8SDN RICHWOOD .....123.0 WV

448.4000 / 443.4000
WB4GWA CONCORD .....118.8 GA
K4XYZ BUCKHORN LAKE .....103.5 KY
N0SU BRYSON CITY .....151.4 NC
AD4DN WILMINGTON .....88.5 NC
AC4WW AIKEN ..... SC
WA4QWW MEMPHIS ..... TN

448.4250 / 443.4250
KD4CPO BRUNSWICK ..... GA
AE4JO EMERSON .....103.5 GA
KB4MDE JASPER ..... GA
KD4RTR MILLARD ..... KY
WA1YYN RES. TRIANGLE PK.....156.7 NC

448.4500 / 443.4500
WC4RAV COBB COUNTY .....103.7 GA
KB4VAK HIGH PT/LOOKT MT.....77.0 GA
AE4NU COX'S CREEK .....151.4 KY
KZ4G FLATWOODS .....107.2 KY
KC5LCW GAUTIER .....123.0 MS
N5WXD WEST POINT ..... MS
N4VOZ STATESVILLE ..... NC
AC4RZ HICKORY TAVERN .....162.2 SC
KE4PJW NASHVILLE .....107.2 TN
KC4RBA LYNCHBURG .....186.2 VA

448.4750 / 443.4750
W4EEE BOGART ..... GA
WB4QQJ DALLAS .....77.0 GA
KC4COV BEAVERLICK .....131.8 KY
KE4UIU CANTON .....156.7 NC
W4UNC CHAPEL HILL .....131.8 NC
WZ4SC FORT MILL ..... SC
KB8YDD RICHWOOD ..... WV
W4VM HUNTSVILL, AL ..... ZZ

448.5000 / 443.5000
N4MTA MARIETTA ..... GA
WD9EQC LOUISVILLE ..... KY
KF4BRO MAYSVILLE .....123.0 KY
WB4UBY META ..... KY
W5SAR WAYNESBORO ..... MS
AB4JJ WEST JEFFERSON .....107.2 NC
N5CWH LEESVILLE .....162.2 SC
KD4CWB KNOXVILLE ..... TN

448.5250 / 443.5250
N4PQR KNOXVILLE .....114.8 GA
KC4KLW ROME .....179.9 GA

KD4EVB BURLINGTON .....107.2 KY
N4EUX LENOIR/CAJAH MT ..... NC
KD4MJQ SOUTH HILL .....100.0 VA

448.5500 / 443.5500
KK4IN DACULA ..... GA
KE4WLP GRIFFIN ..... GA
N4HZX GRAEFENBURG ..... KY
W5SAR WAYNESBORO ..... MS
KC4XE WILKESBORO .....94.8 NC
WB4LRD CHATTANOOGA ..... TN
N4ARI WILLIAMSBURG .....100.0 VA

448.5750 / 443.5750
KD4NTF CEDARTOWN .....107.2 GA
NU5O SOUTHAVEN .....77.0 MS
WA4PXV AIR BELLOWS GAP ..... NC
KA6UHV COLLEGEDALE .....131.8 TN
W4LYR LEBANON .....100.0 TN
KC8AUY RICHWOOD ..... WV

448.6000 / 443.6000
KA5WZY ATLANTA .....146.7 GA
KA4UHL NANCY .....100.0 KY
N4DWU MT MITCHELL .....114.8 NC
W4TLB BIG SANDY .....114.8 TN
KC8PFI CEREDO ..... WV

448.6250 / 443.6250
K4MDS GRAY ..... GA
KF4OYP JASPER .....100.0 GA
KF4NTQ GEORGETOWN ..... KY
AA5RZ JACKSON, EAST ..... MS
W4EUS RES. TRIANGLE PK..... NC
KE4EAN COWPENS .....136.5 SC
KA7UEC COLLIERVILLE .....107.2 TN
AD4QG EVA ..... TN
KC4MJN JAMESTOWN .....100.0 TN
WZ8E BLUEFIELD .....100.0 WV
KC8SDN RICHWOOD .....123.0 WV

448.6500 / 443.6500
W4CML ATLANTA .....123.7 GA
N4WJS OWENSBORO .....110.9 KY
W5NRU LAUREL .....100.0 MS
K4AIH ANDRWS/ROBINSVL ..... NC
KD4WAR BURNSVILLE ..... NC
KG4BTN GREENSBORO .....88.5 NC
WA4AXH NOLENSVILLE ..... TN
KG4NJA HAMPTON .....173.8 VA
KC8SDN CRAIGSVILLE .....123.0 WV

448.6750 / 443.6750
N4GWO BARNESVILLE ..... GA
K4WOC CALHOUN .....100.0 GA
KD4FRP CROWDER'S MT ..... NC
AD4LR PARIS ..... TN
KD4IBW SEVIERVILLE .....100.0 TN
K4YD BENT MT .....107.2 VA

448.7000 / 443.7000
W4TIY DALLAS ..... GA
KY4KY BROOKS .....151.4 KY
K5PN HATTIESBURG .....136.5 MS
N5WDG RIDGELAND .....77.0 MS
KE4QOX KVILLE/H POINT .....103.5 NC
WA4LBT LOCUST ..... NC
N4JEH NASHVILLE .....107.2 NC
K4VVM BARTLETT .....107.2 TN
AG4VW CENTERVILLE .....100.0 TN
KB4OTK LAFOLLETTE ..... TN
KB8UJG PRINCETON .....123.0 WV

448.7250 / 443.7250
KB2DZA CONYERS .....77.0 GA
KE5LT PICAYUNE .....179.9 MS
K4GWH GRAHAM .....156.7 NC
KC4KPJ CLOVER .....127.3 SC
W1ARN NASHVILLE .....107.2 TN
KG4KIJ SWEETWATER ..... TN
N8SNY WELCH ..... WV

448.7500 / 443.7500
K4GO COVINGTON .....146.2 GA
KK4WH WHITESBURG .....107.2 KY
KC4ZTI GASTONIA/CRWDR ..... NC
K4WWV ALAMO ..... TN
WA4OHX HAMPTON .....100.0 VA
KC3FB PATRICK SPRINGS .....77.0 VA

448.7750 / 443.7750
N4YF SUGAR HILL .....82.5 GA
KF4INN VERSAILLES ..... KY
WB4SRV CLAREMONT .....118.8 NC
KD4JFN HAW RIVER .....107.2 NC
KF4Y LAURENS .....141.3 SC
KA4MHJ SPENCER .....123.0 TN

448.8000 / 443.8000
N4NFP ATLANTA/MARIETTA .....151.4 GA
K4MSU MURRAY .....91.5 KY
N5IAT NATCHEZ ..... MS
KC4QZL MORGANTON ..... NC
W4HNK MT PLEASANT .....123.0 SC
KA4AZQ KNOXVILLE .....100.0 TN
KG4NRC NASHVILLE .....123.0 TN
WA1ZMS BEDFRD/APL ORCH .....100.0 VA
W4POX PORTSMOUTH ..... VA
KA8OTX OAK HILL ..... WV

448.8250 / 443.8250
KD4HPD STONE MTN .....123.0 GA
KD4EVB FALMOUTH .....107.2 KY
K4AVY PRESTONSBURG .....127.3 KY
N5ZNS GLOSTER ..... MS
KC4FWC #LAURINBURG .....77.0 NC
KI4BMD JACKSON .....114.8 TN
KI4BMD JACKSON .....114.8 TN
KC4KRM SHELBYVILLE ..... TN
KF4RMT MARTINSVILLE .....107.2 VA
WB4KZI PETERSBURG ..... VA

448.8500 / 443.8500
K4PLM #WALESKA .....192.8 GA
KC4YOZ DALLAS CHLT .....100.0 NC
WA4US WILMINGTON ..... NC

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

N4ULM FRANKLIN ..... TN
KE4OVN LANEVIEW ..... 107.2 TN
KQ4I DANVILLE ..... VA
KB8TGK HUNTINGTON ..... 88.5 WV

448.8750 / 443.8750
KD4LXT ATLANTA ..... GA
KC4KPW PINEY KNOB ..... 103.5 NC
WO4U CROSSVILLE ..... 88.5 TN
KD4KPV MCKENZIE ..... TN
WC4EOC NO CITY LISTED ..... TN
W4DUM WILLIS ..... VA
W8SP FAIRMONT ..... WV

448.9000 / 443.9000
K4RHJ FLOWERY BRANCH ..... 131.8 GA
KC4KZT DAVID ..... 167.9 KY
W4UA HIGH POINT ..... NC
W4GWD GREENWOOD ..... 107.2 SC
KD4HII CHATTANOOGA ..... TN
W4KOC WHITE HOUSE ..... 107.2 TN

448.9250 / 443.9250
KQ4XL MONROE ..... 123.0 GA
W4BAB RINGGOLD ..... GA
N4EQT LAWRENCEBURG ..... 107.2 KY
KE4KNZ MCEWEN ..... 107.2 TN
K4DHT MOUNTAIN CITY ..... 103.5 TN
KF4AGO SOUTH BOSTON ..... VA

448.9500 / 443.9500
KA4UFM DECATUR ..... 110.9 GA
W4LJM CANE VALLEY ..... KY
N5ZDF HAZLEHURST ..... 100.0 MS
KD4QWV CHARLOTTE ..... NC
WA1YYN HILLSBOROUGH ..... 114.8 NC
WA4US WILMINGTON ..... NC
KD4OBX KNOXVILLE ..... TN
N4ER MEMPHIS ..... TN
W4UOT WINCHESTER ..... 107.2 TN

448.9750 / 443.9750
KB4NPO REX ..... GA
K4TDO HAZARD ..... 103.5 KY
N4KWT LOUISVILLE ..... 100.0 KY
WA4WGY MAYODAN ..... NC
N4VDE LIBERTY ..... 103.5 SC
WR3S LAVERGNE ..... TN
KA4WJS ROCKWOOD ..... TN
N8FIP WESTON ..... WV

449.0000 / 444.0000
WB4QDX LAWRENCEVILLE ..... 127.3 GA
WD4AFY #SAVANNAH ..... GA
AD4RT IRVINE ..... KY
W5PFR CLINTON ..... 100.0 MS
K4JEQ HICKORY ..... NC
KI4RK SELMA ..... NC
W4ULH FLORENCE ..... SC
WD4BKY GALLATIN ..... TN
KD4CWB KNOXVILLE ..... 100.0 TN
W4CAR CHESAPEAKE ..... 162.2 VA
N4TZE LYNCHBURG ..... 103.5 VA
KC8IT MULLENS ..... WV

449.0250 / 444.0250
W4CML LAWRENCEVILLE ..... 127.3 GA
AE4PO WAYCROSS ..... 141.3 GA
KD4JFN HIGH POINT ..... 107.2 NC
WC4EOC FRANKLIN ..... TN
K4CRS KINGSTON ..... TN
K4RDK MEMPHIS ..... TN
WB3T ABINGDON ..... 103.5 VA

449.0500 / 444.0500
N4NEQ ATLANTA/MARIETTA ..... 151.4 GA
KE4NLL SALYER'SVILLE ..... 127.3 KY
KB4PTJ WILLIAMSBURG ..... 100.0 KY
N4JDW WILMINGTON ..... 88.5 NC
W1WBT LAKE WYLIE ..... 136.5 SC
N4PYI NASHVILLE ..... 107.2 TN
WB3T FANCY GAP ..... 103.5 VA
KB4OLM STUARTS DRAFT ..... VA

449.0750 / 444.0750
W4FWD CARROLLTON ..... 131.8 GA
KB8SBN INDEPENDENCE ..... 110.9 KY
KD4BOH ROCKPORT ..... 77.0 KY
K4CCR ANDSN MT/DENVER ..... 88.5 NC
N4JDW BURGAW ..... 88.5 NC
WA4TCC SCOTLAND NECK ..... 156.7 NC
KC4PDQ MARYVILLE ..... 100.0 TN
KF4ATY MEMPHIS ..... 107.2 TN
KG4UHH NUNNELY ..... 100.0 TN
KD4TBC GRETNA/SMITH MT ..... 123.0 VA
K8OJC HURRICANE ..... WV

449.1000 / 444.1000
WR4CW ATLANTA/GLENRI ..... 100.0 GA
W4WSM BOWLING GREEN ..... KY
N4UL LOUISVILLE ..... 173.8 KY
KB5BRZ MERIDIAN ..... 131.8 MS
WR4AGC DURHAM ..... NC
KC4AC LANCASTER ..... SC
W4AM CHATTANOOGA ..... TN
KE4FH JOHNSON CITY ..... TN
KA4JXT MEMPHIS ..... TN
KE4CKJ STAUNTON/EL KNOB ..... 131.8 VA
KB4ZIN WILLIAMSBURG ..... VA
N8ILO PARKERSBURG (OH) ..... WV

449.1250 / 444.1250
AF4PX KINGSTON ..... GA
KE4PVE PENDERGRASS ..... 100.0 GA
KB8QLC LEXINGTON ..... 88.5 KY
WB4GUG MCLEANSVILLE ..... NC
KC4ECD LAFAYETTE ..... 107.2 TN
KA4JXT MEMPHIS ..... TN
N8LVE BECKLEY ..... WV
N8RCG KEYSER ..... 103.5 WV

449.1500 / 444.1500
W4PME ATLANTA/BELL ..... 100.0 GA
WB4IVB MIDDLESBORO ..... 100.0 KY
WD5BJT CLERMONT HARBR ..... 77.0 MS
WB5YCR NEW ALBANY ..... MS
K4JDR #CLAYTON ..... 100.0 NC
AG4EI GASTONIA/CRWDR ..... NC
W4GL SUMTER ..... 123.0 SC
KE4LQY CHATTANOOGA ..... TN
AF4TZ NASHVILLE ..... 107.2 TN
KI4ZR LEXNGTN/ROCK MT. ..... VA
KA1OKQ PEMBROKE, NH ..... ZZ

449.1750 / 444.1750
KE4PVE COVINGTON ..... 100.0 GA
KC4COV COVINGTON ..... 131.8 KY
W4FBC LILLINGTON ..... 118.8 NC
W2GLJ GERMANTOWN ..... TN
KC4NNN KNOXVILLE ..... TN
K4NRW ROANOKE ..... 103.5 VA
N8FMD CLARKSBURG ..... 103.5 WV

449.2000 / 444.2000
WA4DB #GAINESVILLE ..... 107.2 GA
KR4PE MARION ..... 100.0 KY
KD4RTR PIKEVILLE ..... KY
WB4YNF #AHOSKIE ..... 131.8 NC
KE4QEA #KING/SAURATOWN ..... 100.0 NC
WA4US WILMINGTON ..... NC
KF4GHC #COLUMBIA ..... 156.7 SC
KD4HII CHATTANOOGA ..... TN
K4MFD GREENEVILLE ..... 173.8 TN
N4ARK NASHVILLE ..... VA
WB4VWR ENON ..... WV
W8FES FLATWOODS ..... WV

449.2250 / 444.2250
KE4SJO WOODSTOCK ..... GA
KF4RBD RINEYVILLE ..... 151.4 KY
K4GWH GREENSBORO ..... 146.2 NC
N4ARK NASHVILLE ..... 114.8 TN
WV8AR CHARLESTON ..... 123.0 WV

449.2500 / 444.2500
WA8OC DECATUR ..... GA
KF4DC GLASGOW/CVCTY ..... KY
WA4KOE HENDV/LBERWLW ..... NC
N4EWS LOUISBURG ..... 88.5 NC
K4SER WILLIAMSTON ..... 131.8 NC
WA4PAJ BARTLETT ..... TN
WQ4E GREENBRIER ..... TN
WA4TFZ CHARLOTTESVILLE ..... 151.4 VA
WG4R MEADOWS OF DAN ..... 103.5 VA
N8ZAR BUCKHANNON ..... WV

449.2750 / 444.2750
K4JLG CORNELIA ..... 100.0 GA
K4DEH GRAY ..... 100.0 GA
KF4IFC CORBIN ..... 79.7 KY
KU4MJ DAWSON SPRINGS ..... KY
NC4BJ BUIES CREEK ..... 131.8 NC
W4NC WINSTON-SALEM ..... NC
W4GZX CLEVELAND ..... TN
WA4AXH LEBANON ..... TN
W4RDF #PRINCE GEORGE ..... 103.5 VA
KC8CSE DUNMORE ..... 123.0 WV

449.3000 / 444.3000
KC4GZX ATHENS/CRAWFORD ..... 127.3 GA
KC4YNY HOGANSVILLE ..... GA
KD4RTR ELKHORN CITY ..... 167.9 KY
KG4JNM LOUISVILLE ..... 156.7 KY
N4DRL BYHALIA ..... MS
KC5RC HEIDELBERG ..... 100.0 MS
WA4VTX ELIZABETH CITY ..... 131.8 NC
W4ZO MONROE ..... 100.0 NC
N4MNH CHARLESTON ..... SC
WB4GBI KNOXVILLE ..... TN
WA4BZU NASHVILLE ..... 107.2 TN
K4BWI ACCOMACK ..... 156.7 VA
KI4ZR LEXINGTON ..... VA
W4XE HUNTSVILLE, AL ..... ZZ

449.3250 / 444.3250
KF4BMG MARIETTA ..... 79.7 GA
KF4AUF HOLLY SPRINGS ..... 100.0 NC
W4NYR SHELBY ..... NC
WA4BZU CLARKSVILLE ..... 107.2 TN
KB4KSL KNOXVILLE ..... TN
WB3T ROANOKE ..... 103.5 VA
KA8ZXP GLENVILLE ..... WV

449.3500 / 444.3500
W4CBA GAINESVILLE ..... 131.8 GA
KE4PVE NEWNAN ..... 100.0 GA
WR4SG VALDOSTA ..... 141.3 GA
K4CO WALTON ..... 123.0 KY
K4KAY CHARLOTTE ..... 118.8 NC
WB4IKY GIBSONVILLE ..... 107.2 NC
KR4LO GRANTSBORO ..... NC
WD4BKY GALLATIN ..... 114.8 TN
KD4CLA PIGEON FORGE ..... 156.7 TN
N4CH BEDFORD ..... VA
WB8YST CHARLESTON ..... 107.2 WV

449.3750 / 444.3750
KB4IZF JASPER ..... 103.5 GA
KD4DAR PIKEVILLE ..... KY
KB5HAV PEARL ..... 88.5 MS
N4DTR FRANKLIN ..... 131.8 NC
KB4WGA HENDERSON ..... 100.0 NC
KB4YTM HUNTINGDON ..... TN
KR4BT SPARTA ..... 123.0 TN
N4OWU FANCY GAP ..... 107.2 VA

449.4000 / 444.4000
WB4ULJ HAMILTON ..... GA
WB4HJG LULA ..... 71.9 GA
AC4VV SHEPHERDSVILLE ..... KY
KC4COV WITHAMSVILLE ..... 131.8 KY
K4MN FAYETTEVILLE ..... 100HZ NC
WA4KOG MEMPHIS ..... TN
N4PYI MT JULIET ..... TN
K4EAJ OAK RIDGE ..... 82.5 TN
N8LVE ALDERSON/SAM BLK ..... 100.0 WV
N8HON MADISON, VA ..... ZZ

449.4250 / 444.4250
K4PE HELEN ..... 127.3 GA
KD4EVB DRY RIDGE ..... 107.2 KY
KF4QZN MORGANTOWN ..... 179.9 KY
N4HAJ FOUNTAIN ..... 88.5 NC
NC4UC MONROE ..... 94.8 NC
N2BR ALGOOD ..... 88.5 TN
KC4NNN KNOXVILLE ..... TN
WA4ISI ALTAVISTA ..... 100.0 VA
KB8TJH SHIRLEY ..... WV

449.4500 / 444.4500
W4DOC ATLANTA ..... 146.2 GA
KO4OT SIMPSONVILLE ..... 100.0 KY
KD5AHI ABERDEEN ..... 210.7 MS
KB5LCL JACKSON ..... 141.3 MS
W4CQ CHARLOTTE ..... NC
WR4AGC HILLSBOROUGH ..... 100.0 NC
N4DTR WAYNESVILLE ..... NC
WA4US WILMINGTON ..... NC
W4CAT GALLATIN ..... 107.2 TN
WJ9J SODDY DAISY ..... TN
W8MOP BLUEFIELD ..... VA

449.4750 / 444.4750
KD4GEY FOLKSTON ..... GA
N4CLA SWEAT MT/MARIETT ..... GA
KF4QZN MAMMOTH CAVE ..... 179.9 KY
AD4BI PIKEVILLE ..... KY
KG4BTN GREENSBORO ..... 107.2 NC
N1GMV ZEBULON ..... 88.5 NC
N4ZKR NEWBERN ..... 107.2 TN
N4ZKR SUMMITVILLE ..... 107.2 TN
AD4ZK NORFOLK ..... 127.3 VA

449.5000 / 444.5000
W4MM ALBANY ..... GA
KD4GPI ATLANTA ..... 110.9 GA
N4BZJ DALTON ..... 118.8 GA
KD4GMH MANCHESTER ..... 103.5 NC
W5LRG MERIDIAN ..... 107.2 MS
W4PAR LEXINGTON ..... NC
N4JEH TARBORO ..... 100.0 NC
K4NOC BISHOPVILLE ..... 123.0 SC
KE4CCB BLUFF CITY ..... 77.0 TN
K4DAV COOKEVILLE ..... TN
N4WAH MEMPHIS ..... TN
K4CQ LYNCHBRG/TOB MT ..... 136.5 VA

449.5250 / 444.5250
W4GR SNELLVILLE ..... 82.5 GA
KJ4F GRETHEL ..... KY
N5NNI NEW HEBRON ..... MS
W4RNC RALEIGH ..... 82.5 NC
WA4ZRS WAXHAW ..... 94.8 NC
N4LV MYB BCH/BRKSVIL ..... SC
KD4IBW KNOXVILLE ..... 100.0 TN
WA4BGK NASHVILLE ..... 107.2 TN
WB8YST BECKLEY/OAK HILL ..... 110.9 WV

449.5500 / 444.5500
WB4JEH CONYERS ..... 151.4 GA
K4DC LEWISPORT ..... KY
KC4DUU LEXINGTON ..... KY
K4JDR BENSON ..... 100.0 NC
N4GAS GASTONIA/SPCR MT ..... NC
KA4BQM ROANOKE RAPIDS ..... 192.8 NC
KG4BZN WALTERBORO ..... 123.0 SC
KK4TD COOKEVILLE ..... 107.2 TN
WF4Q MCNAIRY ..... 107.2 TN
WA4PCD NASHVILLE ..... TN
KB4WTP COPPER RIDGE ..... 103.5 VA
W4QR HAMPTON ..... 167.9 VA
KA4DJU WINTERGREEN ..... 136.5 VA

449.5750 / 444.5750
KC4YAP DEVEREUX ..... 100.0 GA
W4SCR DOUGLASVILLE ..... 88.5 GA
N4MVY PHELPS ..... KY
KC5CLM PORT GIBSON ..... 141.3 MS
KC4FWC BOONE/RICH MT ..... 77.0 NC
W4BAD DURHAM ..... 88.5 NC
N4HAJ KINSTON ..... 88.5 NC
K2PJ MYRTLE BEACH ..... 85.4 SC
W4BBB KNOXVILLE/RACK ..... 100.0 TN
WA4WCK NASHVILLE ..... TN

449.6000 / 444.6000
W4PSZ FAYETTEVILLE ..... 77.0 GA
WA4NKL QUITMAN ..... 127.3 GA
KF4WMM BRUSHY FORK ..... 88.5 KY
N4NMC LOUISVILLE ..... 151.4 KY
KC4FIE MADISONVILLE ..... KY
WA4SJH SPRINGFIELD ..... KY
KB5CO JACKSON ..... 100.0 MS
W4BFB CHARLOTTE ..... 100.0 NC
NO4EL OXFORD ..... NC
KT4YW NO CHARLESTON ..... SC
WA4PPL COOKEVILLE ..... 107.2 TN
WA4AUX PROSPECT ..... 118.8 TN
KA8TCF WESTON ..... WV

449.6250 / 444.6250
K4EDN BONAIRE ..... 82.5 GA
W4CBA CUMMING ..... 123.0 GA
KC5BMJ KINGSLAND ..... 118.8 GA
W1BPP MOULTRIE ..... 123.0 GA
KB4QFL HAWESVILLE ..... KY
KE4ISW RICHMOND ..... 192.8 KY
AB5MU NETTLETON ..... 192.8 MS
N5OCF RICHTON ..... MS
WB4DVN LUMBERTON ..... NC
WD4EOG CLEMSON UNIV. ..... 156.7 SC
WT4E COLLIERVILLE ..... 107.2 TN
KD4TUD JEFFERSON CITY ..... TN
WA4TOA NASHVILLE ..... 107.2 TN
WZ8E BLUEFIELD ..... VA
W4HCH SOUTH BOSTON ..... VA

449.6500 / 444.6500
KF4CXL MCINTYRE ..... 77.0 GA
N4IBW SMYRNA ..... GA
WB4FUR STENNIS SPC CEN ..... MS
N5NBG WALLS ..... MS
NE4J MIDDLESEX ..... 179.9 NC
KJ4HF SALISBURY ..... 88.5 NC
WA4US WILMINGTON ..... NC
N4UHF LAKE MURRAY ..... SC
WB4NKM GREENEVILLE ..... 100.0 TN
W4CAT SHRT MT/MURFREB ..... 107.2 TN
WD4BSB CHRISTIANSBURG ..... 107.2 VA
N4EHJ RICHMND/CHLTVL ..... VA

449.6750 / 444.6750
KC4CBQ HIAWASSEE ..... 186.2 GA
KN4YZ TYRONE/PTC ..... 77.0 GA
KC4VYX ROBINSON CREEK ..... KY
KF4AWA SALVISA ..... 203.5 KY
N5PS GREENVILLE ..... 100.0 MS
W4WBT CHARLOTTE ..... NC
KE4JDP #JACKSONVILLE ..... 88.5 NC
KD4RAA RALEIGH ..... 100.0 NC
W4GS MYR BCH/CONWAY ..... 85.4 SC
WA4PCD NASHVILLE ..... TN
WD4MIZ NORFOLK ..... 107.2 VA
K4IJ PEARISBURG ..... 103.5 VA
AB8WB GASSAWAY ..... 123.0 WV

449.7000 / 444.7000
WB4SBT BYRON ..... 103.5 GA
WD4LUQ DALLAS ..... 77.0 GA
KF4BJM VALDOSTA ..... 141.3 GA
WB4JM BOWLING GREEN ..... 136.5 KY
AD5IT GRENADA ..... 107.2 MS
NC5Y JACKSON ..... MS
KD4BGD LUMBERTON ..... 114.8 NC
N4JEH ROCKY MOUNT ..... 107.2 NC
AE4GA STATESVILLE ..... 94.8 NC
AG4UW CENTERVILLE ..... 107.2 TN
KF4VDX MARYVILLE ..... 127.3 TN
N4ZKR PALMER ..... 107.2 TN
K4AU DANVILE/WHT OAK ..... VA
N4WWB GATE CITY ..... VA
WB8CQV HERNSHAW ..... 203.5 WV
K8LG MORGANTOWN ..... WV

449.3250 / 444.7250
KC4FWC #BLADENBORO ..... 77.0 NC

449.7250 / 444.7250
KS4QM SUMMERVILLE ..... 123.0 GA
KD4AOZ WATKINSVILLE ..... 123.0 GA
KY4K HENDERSON ..... 203.5 KY
KE4ISR LEXINGTON ..... KY
W4ZCD HICKORY FLAT ..... 179.9 MS
KC4FWC #BLADENBORO ..... 77.0 NC
KD4MMP WINSTON-SALEM ..... 107.2 NC
KC4KPJ ROCK HILL ..... 127.3 SC
WA4AKM FRANKLIN ..... 107.2 TN
WB0TMC JACKSON ..... 107.2 TN
N4CKB SEVIERVILLE ..... 123.0 TN
KF8FO LEWISBURG ..... 103.5 WV

449.7500 / 444.7500
KC4ELV CONYERS ..... 162.2 GA
N4ZRF LAKEMONT ..... GA
KC8ERN #ASHLAND ..... 88.5 KY
KE4AIF HOPKINSVILLE ..... 103.5 KY
WB9SHH MONTICELLO ..... KY
KD5GVU STARKVILLE ..... MS
NC4GC GASTONIA ..... NC
KD4JFN PITTSBORO ..... 146.2 NC
K4TC HENDERSON ..... TN
KF4VWJ HIXSON ..... 100.0 TN
N4PYI MT JULIET ..... 156.7 TN

449.7750 / 444.7750
N4NEQ ATLANTA/MARIETTA ..... 151.4 GA
N4MXC COCHRAN ..... GA
N4IWZ ALLEN ..... 123.0 KY
KC4UPE NICHOLASVILLE ..... 167.9 KY
K4JDR CARY ..... 100.0 NC
KR4EX OLD FORT ..... NC
WA5KUB CORDOVA ..... 100.0 TN
WA4AKM GALLATIN ..... 107.2 TN
KF4UCI #CHARLOTTEVILLE ..... VA
WD4KZK SLINGS GAP ..... 107.2 VA

449.8000 / 444.8000
WA4ASI COVINGTON ..... 88.5 GA
W4BEJ ELIZABETHTOWN ..... KY
KB5CO JACKSON ..... MS
WB4PMQ GREENVILLE ..... 131.8 NC
KF4LUC HICKORY ..... 94.8 NC
K4YEC REIDSVILLE ..... 107.2 NC
KD4QMS SOUTHERN PINES ..... 118.8 NC
K0JXI MEMPHIS ..... TN
KD4LP #MORRISTOWN ..... TN
N4PYI NASHVILLE ..... 110.9 TN
KB4MIC OLIVILLE ..... VA
WV8B BECKLEY/OAK HILL ..... 100.0 WV
W8CUL MORGANTOWN ..... WV

449.8250 / 444.8250
W4DOC ATLANTA ..... 146.2 GA
KC4UPE BEATTYVILLE ..... 192.8 KY
KC4VXR SALEM ..... 100.0 KY
KB5DSN AMORY ..... MS
KF4UY MT AIRY/FSH PK ..... 100.0 NC
KD4RAA NEWPORT ..... 100.0 NC
K4GWH RALEIGH ..... 146.2 NC
KE4FGW MARYVILLE ..... 100.0 TN
K5FE MEMPHIS ..... 107.2 TN
N4PYI SMITHVILLE ..... 107.2 TN
WA4ZBP STAUNTON ..... 131.8 VA
N8RKU CHARLESTON ..... 123.0 WV

449.8500 / 444.8500
N4BZJ DALTON ..... GA
N4YXL GREENSBORO ..... 103.5 GA
KG4OGC HINESVILLE ..... GA
KF4QZN HORSECAVE ..... 179.9 KY
AA4NI NEBO ..... KY
AB5DU INDIANOLA ..... 136.5 MS

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Concludes

KC5LXF	PINOLA		MS
W4CQ	CHARLOTTE		NC
W4BAD	RALEIGH	100.0	NC
WN4Z	ROCKY MOUNT	131.8	NC
K4GMP	WILMINGTON	88.5	NC
WB4NNX	HOHENWALD	100.0	TN
WD4MWQ	MCMINNVILLE		TN
K7AG	MEMPHIS	107.2	TN
KF4VDF	POUND	103.5	VA
AB4SF	RICHMOND		VA
WD4KZK	ROANOKE/READ MT	107.2	VA
WB8ZER	HUNTINGTON/CHAS	131.8	WV
449.8750 / 444.8750			
KE4UAS	MCDONOUGH	82.5	GA
KE4RJI	TIFTON		GA
KC4UPE	SALVISA	167.9	KY
N5HTQ	MCCOMB	100.0	MS
KD4RAA	#LOUISBURG	100.0	NC
WB4U	WINGATE	127.3	NC
KD4UWA	CHAT/MNTLAKE MT	156.7	TN
WA4AKM	NASHVILLE	107.2	TN
KB4WTP	BIG A MTN		VA
449.9000 / 444.9000			
KD4BOO	AUGUSTA		GA
N4BBQ	DAHLONEGA	100.0	GA
WB4IVB	CORBIN	100.0	KY
W4YWH	HIGHLAND HEIGHTS	123.0	KY
KY4SP	HUDSON	179.9	KY
W4EWN	NEW BERN	100.0	NC
W4EJ	WILSON	179.9	NC
WB4MMI	RAMER		TN
W4LYR	WATERTOWN	100.0	TN
WA4CQK	FANCY GAP	100.0	VA
N8SCS	BELINGTON	141.3	WV
449.9250 / 444.9250			
WA4NNO	ATLANTA		GA
WB4NFG	IRWINTON	77.0	GA
N4PJR	JESUP	141.3	GA
KY4X	GLASGOW		KY
KO4LI	OLIVE HILL		KY
N5PYQ	SOUTHAVEN	107.2	MS
WB5TTE	VICKSBURG		MS
KB4WGA	DURHAM	100.0	NC
K4OBX	HATTERAS ISLAND	131.8	NC
N4XRY	MOUNT AIRY		NC
N4NTO	TARBORO	118.8	NC
AC4RZ	EASLEY/SAS MTN	103.5	SC
KI4CB	GEORGETOWN		SC
WA4AKM	COLUMBIA	107.2	TN
N4VIH	DOVER		TN
KD4TZD	KNOXVILLE		TN
KD4FWS	FANCY GAP	100.0	VA
WB8BON	ROANOKE/TINKER M		VA
443.9500 / 444.9500			
W4TL	CLERMONT	131.8	GA
WR4MG	PERRY		GA
N4DUE	LEXINGTON		KY
WB5YGI	PHILADELPHIA		MS
N5VGK	TUPELO	192.8	MS
WA1WXL	CHARLOTTE	136.5	NC
KF4DWV	GREENSBORO	100.0	NC
KF4HFQ	ROLESVILLE	88.5	NC
KD4PBC	CHARLESTON	103.5	SC
W4EYJ	CROSSVILLE	118.8	TN
K4GX	GREENEVILLE		TN
WB4NNE	MEMPHIS		TN
N8ITF	SPRINGFIELD	100.0	TN
WA4KXV	VIRGINIA BEACH		VA
WB8CQV	SO. CHARLESTON	203.5	WV
449.9750 / 444.9750			
WA4YNZ	ATLANTA		GA
K4TVE	BRUNSWICK		GA
W3LAP	COCHRAN	77.0	GA
WA4YNZ	#CUMMING		GA
KC4QK	ASHLAND	107.2	KY
WB4CWF	NICHOLASVILLE		KY
N5PS	O'REILLY	100.0	MS
KE4QAP	ASHEBORO		NC
N4JEH	CASTALIA	107.2	NC
W4YMI	NEWPORT CCARS		NC
KC4ZTJ	POLKVILLE		NC
WM3O	ORANGEBURG		SC
KQ4E	MORRISTOWN		TN
WA4AKM	NASHVILLE	107.2	TN
N4AZJ	PEARISBURG	103.5	VA
N8EKT	WHEELING		WV
443.7750 / 448.7750			
W4RKC	WINCHESTER	146.2	VA
KA1OKQ	CONCORD, NH	82.5	ZZ
444.4750 / 449.4750			
K8VE	BUCHANNON	146.2	WV
439.2500 / 911.2500			
KA5NOJ	GAUTIER		MS
426.2500 / 923.2500			
K4OO	LYNCHBURG		VA
439.2500 / 923.2500			
KY4ATV	#LEXINGTON		KY

900 MHZ

907.5000 / 919.5000			
WD4KZK	ROANOKE/POOR MT	107.2	VA
908.5000 / 920.5000			
KF4TNP	LEWISBURG		TN
908.8000 / 920.8000			
KO4E	MORRISTOWN		TN
909.0000 / 921.0000			
K4CQ	LYNCHBRG/TOB MT	100.0	VA
909.1000 / 921.1000			
WA1ZMS	BEDFRD/APL ORCH	100.0	VA
910.2500 / 923.0000			
WA4VHP	#SAVANNAH		GA
K4ZGA	NASHVILLE		TN
902.4875 / 927.4875			
N8EKA	DAHLONEGA	100.0	GA
KB0Y	VALDOSTA	141.3	GA
N4JNE	FANCY GAP	100.0	VA
W3PS	CHESTER, PA		ZZ
902.5000 / 927.5000			
KG4LMT	ATLANTA	223.0	GA
902.5125 / 927.5125			
KE4PAB	PICKENS	100.0	SC
W3PS	EAGLEVILLE, PA		ZZ
902.5250 / 927.5250			
W3PS	DALLAS	100.0	GA
902.5375 / 927.5375			
W3PS	OCEAN CITY, NJ		ZZ
902.5500 / 927.5500			
WA4TOG	BEAR WALLOW	131.8	NC
902.6125 / 927.6125			
KB4WGA	DURHAM	100.0	NC
902.6625 / 927.6625			
N2QJI	CONCORD	141.3	NC
W4FAL	RALEIGH	156.7	NC
N4DTR	WAYNESVILLE	131.8	NC
902.6875 / 927.6875			
N8EKA	LAWRENCEVILLE	141.3	GA
902.7250 / 927.7250			
KA4KMG	LEXINGTON	DCS75	KY

1270 MHZ

1265.0000 / 421.2500			
N4BZJ	DALTON ATV		GA
1253.0000 / 427.2500			
N4NEQ	ATLANTA/MARIETTA		GA
1277.2500 / 439.2500			
KD4EEW	NASHVILLE		TN
1260.0000 /1240.0000			
W3PS	CHESTER, PA		ZZ
1277.2500 /1253.2500			
W4PPN	#CHARLOTTE		NC
1270.5250 /1282.5250			
N2QJI	CONCORD	141.3	NC
1271.1000 /1283.1000			
WA1ZMS	BEDFRD/APL ORCH	100.0	VA
1272.4000 /1284.4000			
WA4AKM	NASHVILLE		TN
1273.3000 /1285.3000			
KF4TNP	LEWISBURG		TN
1274.0000 /1286.0000			
K1YJ	NASHVILLE	88.5	TN
1274.5000 /1286.5000			
KB4ZOE	SMITHVILLE		TN
1271.0200 /1291.0200			
N4CH	ROANOKE/POOR MT		VA
1271.4100 /1291.4100			
AD4DN	WILMINGTON	88.5	NC
1272.0000 /1292.0000			
KB4KIN	ATLANTA/BELL		GA
N4HKS	MEMPHIS		TN
1272.8200 /1292.8200			
AG4EI	GASTONIA/CRWDR		NC

2.4GHz

2441.6000 /2411.6000			
WA1ZMS	BEDFRD/APL ORCH		VA

HOW IMPORTANT IS THE INDEX TO YOU?

SERA members: the **Repeater Index** is getting bigger, squeezing out some of the news and features we could be running in the Repeater Journal. So the question is... do you want an updated Index every issue (which we'll do if you want it), or would you prefer an index, say, every other issue (twice a year) and more news and features in the issues between?

Drop me a line and tell me what you think: **editor@sera.org**. Put "INDEX" in the Subject line so I can pick it out of the spam!

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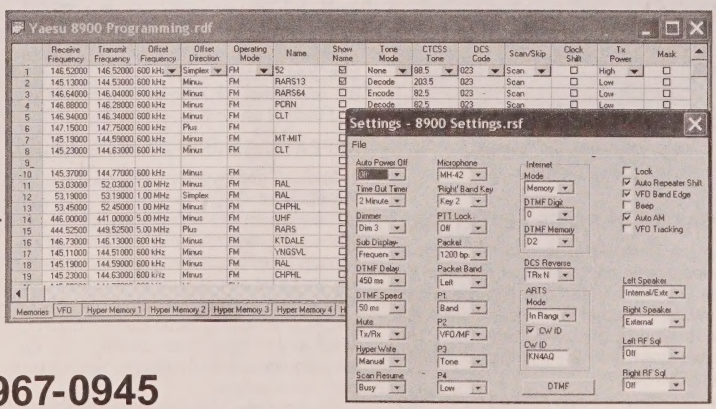

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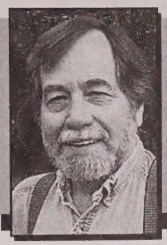

GEORGIA

REPORTED BY
VESTER SCOTT N8EKA
1953 CARRIAGE WAY
LAWRENCEVILLE, GA 30043
(770) 339-6986
N8EKA@SERA.ORG

New Georgia Assistant Director

Please join us all in welcoming Pete Seabolt N4KHQ to the Georgia SERA team. Pete and XYL Delores N4KHO live in repeater-centric North Georgia.

With two repeaters of his own and trustee/control op responsibility for three others, plus a previous tour as SERA vice-president, Pete knows the ropes and is good to go. Thus, it came as no surprise that he has already hit the ground running with Georgia's "paper repeater" issues.

Pete and Delores Seabolt N4KHQ and N4KHO

SPEAKING OF PAPER REPEATERS...

A paper repeater is one for which its owner/trustee applied for coordination but then didn't follow through to substantiate its existence within the agreed-upon initial period, and/or annually thereafter. This breaks down into the not-too-far-fetched examples below:

- Coordination was applied for in 1989, but the repeater never went live. The repeater owner moved to Arizona, leaving the repeater, inop, on the mountain.
- Same as above, except the owner took the repeater along to Arizona.
- Coordination was applied for in 1989, and the repeater went live in Georgia within the required period. However, SERA was never notified (via Form 09) that it was up and running.
- Coordination was applied for in 1989, the repeater went live in Georgia within the required period, and SERA was properly notified (via Form 09) —but the owner/trustee hasn't been heard from since (i.e., no annual Repeater Data Sheet to SERA).

There are more than a few paper repeaters in Georgia. This puts SERA between the proverbial "rock and a hard place", because we have no easy way of knowing if the frequency pairs involved have been abandoned and are now available for use by others. SERA definitely hasn't the people-power to monitor these repeaters for activity, nor is this part of the SERA charter.

I didn't present a list of suspected Georgia paper repeaters here, because it's size would be too embarrassing. If you know of any repeaters (coordinated or uncoordinated) that appear to be nonexistent or have been out of service for a long time, let us know. What SERA can and will do is investigate complaints we receive regarding inop repeaters, and de-coordinate them if the problem cannot be rectified.

OTOH, if you are one of the perpetrators, just get your paperwork (initial Form 09, or annual datasheet) in immediately and there'll be no questions asked.

REPEATERS DURING EMERGENCIES

Let's all get involved, and maybe think more about things like "jump" kits with (among a bunch of other things) an HT with spare batteries. And, maybe, itinerant repeaters for emergencies. This may well be the stuff that also guarantees a future for classic ham radio, in this day of cell phones and PC/web-based radio links—neither of which would have been useful in the immediate aftermath of Isabel in Virginia last year, for example.

On that note, I am happy to see the degree of organized motion in Georgia regarding the use of repeaters during emergencies and public service events. Sure, hams have been doing this kind of stuff routinely since RACES began in 1952, but cooperation between the various agencies is really ramping up lately. Check out Mike KO4WX's side-bar item, the Georgia ARES Net list and **www.gaares.org** to learn everything you need to know about Georgia ARES repeaters, and more. And check into your local ARES repeater nets regularly.

SPEAKING OF CHECKING... A *REALITY* CHECK

I couldn't agree more with Georgia hams who keep telling me that the *RJ* is getting better and better. And what ham doesn't love to see things like a repeater index and a hamfest calendar they can hang their hat on in every issue? That said, however, I couldn't resist playing with the following numbers:

- According to **www.ah0a.org/FCC**, there are 14,148 hams in Georgia.
- Two ARRL polls during 2002 (see **www2.arrl.org/survey.php3**) suggest that roughly 95% of all hams use repeaters.
- Based on the above, Georgia may (or may not) have around 13,390 repeater users.
- There are approximately 475 FM repeaters in Georgia.
- SERA has approximately 454 full and associate members in Georgia.

Thus (and please don't ask me about the margin of error), these ironic yet significant conclusions:

- At any given time, there is a repeater available in Georgia for every 28.2 users.
- Only 3.4% of Georgia hams who use repeaters are SERA members
- ***There aren't enough SERA members in Georgia to use all of its repeaters at the same time.***

Repeater owners, trustees, and club officers: do us all a great favor, and explain the benefits of SERA membership to your members, users, and other constituents. There's a subscription blank somewhere in this magazine, and you can join on-line at **www.sera.org**. Your support is appreciated.

SERA AT EVERY GA HAMFEST

SERA intends to have a table at every 2004 Georgia hamfest listed in the Hamfest/Convention Calendar section of the *RJ*. Stop by and say hello, and catch up on the latest news and views. It is our conversations with you folks at hamfests that spark much of the content of this column.

By the way, Terry W4TL suggested last fall that we break tradition and put the 2003 Stone Mtn. (a.k.a. Lawrenceville) hamfest SERA table in the boneyard instead of in the building. We ran the SERA laptop (well, okay—and my little 900 MHz "itinerant" emergency/hamfest repeater) from Terry's generator. Wx was great, and it was plug and

American Radio Relay League Georgia Section Convention

ATLANTA HAMFEST

Saturday June 5, 2004

◆ DEALERS ◆ FLEA MARKET

◆ TAILGATING ◆ PRIZES ◆ FORUMS

◆ EXAMS (OFFSITE) ◆ FOOD

◆ RV & CAMPING AND LOTS OF FUN...

Scholarship Available...

In the spirit of supporting Amateur Radio, The Atlanta Radio Club, W4DOC, is pleased to offer a scholarship to a deserving young Ham. See website for more details and an application

The Atlanta Hamfest would like to recognize the following vendors and clubs for their ongoing technical, financial, and advisory support of The Atlanta Hamfest: Alabama Radio, Bond & Garcia, C.T. Morgan & Assc. C&J Radio, Cedar City Sales, HRO Kenwood, Lakeview Co., RF-TEC Omar Electronics, Rosewood Co. RF-TEC, SignMan of Baton Rouge The Wireman, Tower Electronics MCM Computers, Treasure Chest ARRL, GARS, SEDXC, QCWA49, NOGAQRP, Augusta ARC, AMSAT, SERA

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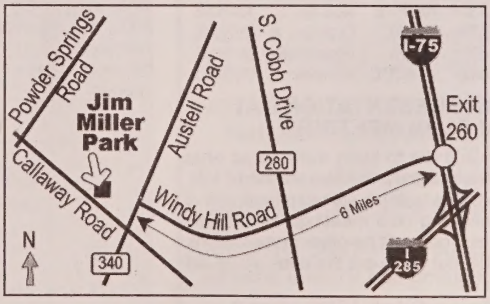

For more information...

WWW.ATLANTAHAMFEST.COM

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play (*plug* SERA, and *play* hooky to check out the other tables, that is). Lots of traffic, and great fun outside (if it doesn't rain).

PAPERLESS REPEATERS?

Here's the updated list of Georgia repeaters that submitted coordination requests over a year ago but have never confirmed (via Form 09) that they are up and running. SERA's Georgia team simply can't chase people to get them to do what they have already explicitly agreed to do. We are forced, instead, to rely upon the honor system plus feedback from others.

I know—this is getting pretty boring. The good news: the number of repeaters for which no Form 09 has been received is down again (15%) from the previous quarter, and there are no new ones!

FORM 09 OVERDUE

FREQ.	CALL	LOCATION	OVERDUE SINCE:
53.010-	W3LAP	Cochran	01/01/03
145.150-	K4TWG	Baconton	07/03/02
145.190-	W4CBA	Gainesville	04/19/03
146.745-	AF4VH	Springfield	07/03/02
147.090+	KE4RWR	Bainbridge	01/06/96
147.225+	KG4ABK	Doerun	06/12/00
147.330+	N4MTN	Toccoa	01/19/02
224.100-	K4SWS	Eatonton	12/29/02
224.660-	NP2Y	Young Harris	01/20/00
224.720-	W4UWH	Clayton	10/04/00
224.820-	WR4MG	Hawkinsville	10/19/97
441.850+	K4WOC	Sugar Valley	12/29/02
441.975+	WB4ULK	Columbus	08/26/02
442.000+	AF4UL	Macon	10/13/01
442.300+	KW4KW	Ringold	06/08/99
442.425+	K4SWS	Eatonton	12/29/02
442.475+	W1MED	Marlow	10/13/02
442.700+	W4MAZ	Macon	07/18/02
443.075+	WA4EOC	Canton	12/29/02
443.125+	KG4PUW	Stockbridge	12/29/02
443.525+	N4PQR	Knoxville	05/07/97
443.650+	W4CML	Atlanta	01/19/02
443.975+	KB4NPO	Rex	12/19/95
444.100+	WR4CW	Atl/Glenridge	08/26/02
444.125+	KE4PVE	Pendergrass	01/06/96
444.300+	KC4YNY	Hogansville	06/05/99
444.350+	KE4PVE	Newnan	10/25/96
444.775+	N4MXC	Cochran	11/29/97
444.850+	N4YXL	Greensboro	04/14/97
444.850+	KG4OGC	Hinesville	09/30/96

SERA PRESENTATIONS AT HAM CLUB MEETINGS

If you'd like to learn more about what SERA is and does, or share any ideas, info, or concerns with us, plan to attend one of the following club meetings in the next quarter. There will be other presentations in 2004, but these are the ones we've set up so far.

- Forsyth County ARES: March 8
- Lanierland ARC (LARC): March 30 (http://www.lanierlandarc.org)
- North GA Amateur Radio Club (NGARC), Dahlonega, March 1 (w4ykf@arrl.net)

US AND THEM

Georgia has around 500 FM repeaters, 5% of which (see chart) are uncoordinated. Sure would be nice to see them all coordinated, so that we can work together for the most beneficial and enjoyable use of the available spectrum. Plus, only coordinated repeater owners receive full membership status/privileges, and (are you ready for this?) *two* copies of the *RJ* every quarter.

GEORGIA UNCOORDINATED REPEATERS

Freq.	Callsign	Location
147.195+	K4JPD	Austell
53.29-	K4PLM	Pine Log Mt.
443.85+	K4PLM	Waleska
224.200-	KC4OVY	Atlanta-NE
441.350+	KD4DXR	Waleska
147.390+	KE4SNT	Black Rock Mt.
53.390-	KF4XH	Macon
29.620-	KF4XH	Macon
147.165+	KF4XH	Macon
53.430-	KR4OL	Macon
147.12+	KT4N	Lincolnton
224.760-	W4BOC	Decatur
444.200+	WA4DB	Gainesville
923.0000-	WA4VHP	Savannah
442.975+	WA4YNZ	Roswell
53.010-	WA4YNZ	Roswell
51.700-	WA4YNZ	Cumming
444.975+	WA4YNZ	Cumming
224.020-	WB4JEH	Conyers
51.550+	WB4JEH	Conyers
146.640-	WB4QGR	Fulton
442.225+	WB6RTH	Atlanta
444.000+	WD4AFY	Savannah
53.450-	WD4OVN	Pine Log Mt.

WHAT'S ON YOUR MIND?

If you have anything to say that's repeater-related and Georgia-specific, I can probably address it here myself or else include it as a side-bar with your own byline. If it's something of a more general nature, send it to Gary Pearce KN4AQ, as a *Letter to the Editor*, instead. ■

SERA's corner spot for Lawrenceville 2003, at a boneyard intersection, just before the gates opened.

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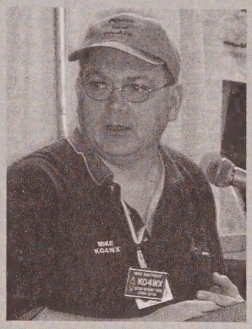
Georgia repeaters support **ARES**

Mike Boatright KO4WX

VHF and UHF repeaters are a vital part of the Georgia Section ARES emergency communications infrastructure. While SSB HF is used to coordinate at the statewide level, most ARES activity occurs at the local level, and 2M/440 repeaters with backup power provide critical county-wide and district-wide communications links. Some jurisdictions even include plans for setting up temporary repeaters at key locations should the primary repeaters become disabled. To emphasize the importance of our VHF/UHF nets, we take VHF/UHF check-in reports on the weekly ARES HF net, and remind all ARES members of their importance to the program.

A system of linked 2-meter FM repeaters (using 440MHz links) has been established covering a large portion of the state, primarily in the Central and Northern areas. This system is widely used by the SKYWARN and ARES programs to support the National Weather Service by relaying observed severe weather reports and disseminating severe weather warnings. This system can be used as an alternative to SSB HF, specially when unfavorable HF propagation exists.

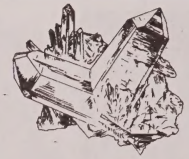


Mike Boatright KO4WX, GA Section Emergency Coordinator (SEC)

Many counties updating their Emergency Management Centers using homeland Security Grants are including VHF/UHF (and some HF) amateur radio equipment and are providing tower space as needed. ARES is seen as an important communications Emergency Support Function, both at the state (through cooperation with the Georgia EMA) and county levels. This support is very encouraging, and gives an overall positive outlook for both the ARES program and tactical FM-repeater communications throughout the State of Georgia.

GA ARES REPEATER NETS

Net Name	Freq.	Day	Time
Spalding Co. ARES	145.39	Sun	2030
Metro Atlanta ARES	145.41	1st Sun	1600
Cherokee Co. ARES/Skywarn	443.075	Mon	2000
Cobb Co. ARES/Skywarn	146.88	Wed	2100
Gwinnett Co. ARES	147.075	Mon	2100
Rockdale/Newton Co. ARES	147.21	Mon	2100
N. Fulton ARES	145.47	Sun	1930
Clarke Co. ARES	146.745	Sun	2030
Forsyth Co. ARES	147.15	Tue	2000
Murray Co. ARES	147.135	Varies	2000
West GA (Carroll, Haralson Co.) ARES	146.64	Thu	2000
SE GA District ARES (Bulloch Co.)	147.105	Thu	1900
CARES (Evans Co.)	147.075	Tue	2100
WEMA - ARC (Wayne Co.)	146.865	Wed	1600
Southwest Georgia VHF (Baker, Calhoun, Dougherty, Mitchell, Worth Co.)	146.82	Sun	1600



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May 21-23.....Martinsville, VA
National Guard Armory

May 28-30.....Salem, VA
Salem Civic Center

June 11-13 Dayton/Xenia, OH
Greene County Fairgrounds

June 18-20.....Kokomo, IN
Johanning Civic Center

July 2-4.....Waynesboro, VA
William Perry Elem. School

July 16-18.....Boone, NC
National Guard Armory

Aug. 6-8.....Dalton, GA
NW GA Trade & Conv Center

Sept. 17-19.....Asheville, NC
National Guard Armory

Oct. 1-3.....Indianapolis, IN
Indiana State Fairgrounds

Oct. 8-10. Dayton/Xenia, OH
Greene County Fairgrounds

Oct. 22-24 Harrisonburg, VA
Rockingham County Fairgrounds

Nov 12-14 Charlottesville, VA
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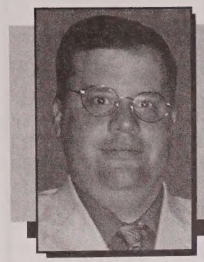

KENTUCKY

REPORTED BY
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859-948-1320
KD4PWL@SERA.ORG

Welcome to 2004 everyone, and I look forward to representing the Commonwealth of Kentucky for the *Repeater Journal*. It will be an enjoyable challenge to cover this wide-ranging, and geographically diverse state. I wish to thank Frank Belcher KS4XL for feeling I would be a good choice to succeed him. I invite all to keep me aware of their news and events. Along with news and features, I plan on randomly spotlighting a few repeaters from across the state in each issue.

SAD NEWS FROM ROBINSON CREEK:

Over the past year, **Don Robinson KC4VYX** has endured many hurdles with the 444.675 machine in Pike County. It appears it will remain offline. Robinson stated, "Last year the utility poles burned during a forest fire and our neighbors have a tendency to use our antennas as target practice."

On October 14, 2003, "we had a heavy windstorm and lots of rain. The wind blew a large tree over breaking one leg of my guy wires bringing the tower down like a folding ruler. The same storm washed out about a mile of mountain road and causing slides. I had to use a dozer to retrieve what was left of my equipment."

He described his setup as a "GE Master II with a RLC-2 repeater and linking controller with a Doug Hall box and a dual-band Kenwood radio, a weather alert and a direct link Master-II for 2-meters and a 50 watt power supply to keep the battery charged. I used a Cat battery for emergency power." Robinson is probably going to "hang up his repeater hat," adding that he hopes that others do not share his luck. He still loves ham radio, and will be active on the 147.090 KJ4YK repeater in Phelps.

NEW MACHINE IN WINCHESTER:

The 145.430- KF4CBT repeater is on the air in Winchester. It is located six miles southeast of Winchester, and has an approximate range of 20 miles according to Darrell Epperson AC4YD. The **Pioneer Amateur Radio Club**, Winchester and Clark County Emergency Management, and the Chemical Stockpile Emergency Preparedness Program sponsor the machine. Gary Epperson KD4RON, Clark County Emergency Management Director, sees that the repeater stays in tip-top condition.

REPEATER SPOTLIGHTS:

- **The Mammoth Cave Amateur Radio Club KY4X** repeaters in Glasgow-Barren County on 146.94 and 444.925 have a long history of service. The 146.94 was one of the early 2 meter machines around according to Joe Taylor N4NAS. Both repeaters serve the local area, and many motorists traveling Interstate 65. The 444.925 repeater also serves those who are active on the Echolink system (node number 138267). As one would expect from the name of the sponsoring club, their repeaters have been active during cave rescues. Charles "Chappy" Rice KD4SS serves those who use the repeaters and keeps them working in top form.
- The **Marshall County Amateur Radio Association** sponsors the 147.130 KC4KAN machine located in central Marshall County. The repeater has an effective range of approximately 40 miles, reports Whipple Walker N4STW. It hosts the Marshall County ARES Net Wednesdays at 9:00 PM, and the KY District 1 ARES Net Thursday at 9:00 PM. Walker also reports that the frequency of the repeater will change in the near future to 145.390.

NEWS BITS:

- **The Bullitt Amateur Radio Society** in Shepherdsville will be sponsoring the **2004 Kentucky QSO Party** April 24 1600Z to April 25 0400Z, 2004. The mission is, "For KY stations to work the world and for the world to work KY stations," according to the event web site located at **www.qsl.net/ky4ky/kyqsopartyrules.html**. Complete information is available on that web site.
- The **Aviation Museum of Kentucky KY4AMK** station at Bluegrass Airport in Lexington has an active amateur radio program. Station trustee, Lou Berry AG4LB helped build the station, and the program to serve the public and amateur radio. The station will act as an operating position for emergency activations, which involve mass causality medical transports to Lexington. The station also serves as a contact for outreach and educational programs. It will serve as host to a Boy Scouts merit badge program this winter, and the Scout World 2004 Special Event in April 2004. Listen around the HF bands for them on the weekends, as the station is very active.
- Members of the **Mammoth Cave Amateur Radio Club** helped local police and other city departments with parade communications on November 2nd.
- **Steve McCallum W2ZBY** of Lexington, KY became a Silent Key at the age of 91 on November 30, 2003. Through fifty-four years of active service to amateur radio, he served in so many leadership roles in so many states that it is impossible to list them all. They ranged from being in the first group of Emergency Coordinators in New Jersey during the origins of the RACES program by the federal government to recently retiring as ARRL Public Information Coordinator in Kentucky. Perhaps the most permanent of his accomplishments that continue to this day were his efforts to have Kentucky, New Jersey, and New York to issue amateur radio license plates.
- The 2004 ARRL Kentucky Section Banquet will be hosted by the **Greater Louisville Hamfest Association**. **www.qsl.net/glha**.
- **Kentucky Section ARES** has established an online training program. This copyrighted material was written by Pat Lambert W0IPL, Training Coordinator for Colorado ARES and was edited for Kentucky Section use by Ron Goodpaster AG4TY. Kentucky Division of Emergency Management supports this effort, and grants 2 hours of continuing education credit for members to its staff for completing the course. The course is accessible from **www.qsl.net/kyham/service.html**. ■

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The NOAA Weather Radio Network broadcasts National Weather Service warnings, watches, forecasts and other hazard information 24 hours a day. With so many unsettling weather conditions, don't you think its time to provide timely weather alerts for your repeater group?

Specific Area Message Decoder

A digital decoder responds to Specific Area Message Encoded (SAME) alerts transmitted by the NOAA weather station located in your area. Select your county code and the type of alert. Select warnings and/or watches.

Voice Synthesizer Alert Message

Imbedded in the alert information packet is the time the warning or watch is in effect. The voice synthesizer will key-up the transmitter and announce the alert. "Severe Thunderstorm Watch," "Tornado Warning," "Winter Storm Warning," "Flash Flood Watch," and the new ***Amber Alert*** *for missing children are just a few.*

Alert Message Transmit Timing

At the conclusion of an alert, a termination packet turns the transmitter off.

Repeater Interface

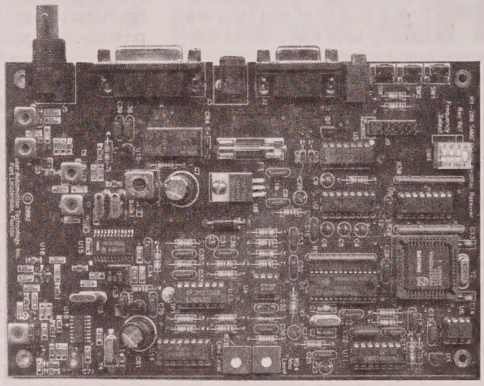
The WX-200 has been designed to easily interface to your repeater. A minimum of four connections is all that is required.

Weather Enable Input

Ground this input to provide weather reports on demand.

Weather Disable Input

Ground this input to prevent future alerts once a Skywarn net is activated.



Weather Alert Log

The WX-200 stores the date, time and type of alert in memory. Use the RS-232 port and the configuration program to download the log.

Alert Start Logic Output

This output provides a TTL logic high when a weather alert is received. It can be used to set off an external alarm or trigger the controller to execute a macro or load a memory save.

Alert Stop Logic Output

Included in the digital packet is the length of the alert. The WX-200 generates a stop logic output when the time period has expired. Use this output to reload a normal memory save.

Ordering Information

WX-200 *Digital Weather Receiver, With Windows® Configuration Program:* ***$299.00.***

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MISSISSIPPI

REPORTED BY
CHARLES DIAMOND
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KG4CKW@SERA.ORG

Hello all. First I would like to say I hope that all of you folks out in radio land had a great holiday season and got that special gift that you wanted. Like me, I know most of you were just happy to be with loved ones and make more memories to remember in the future. We are all truly blessed to live in this country and also to have our families safe and with us during these turbulent times.

I only made one resolution for the New Year that I thought I would share with you. I know these are busy times and we, myself included, lead ever-busier lives. However one thing about myself that I hope to change is to be more outgoing when it comes to the New Ham. You know him – the one fellow who says the wrong thing at the wrong time on the repeater or checks in on FM phonetically or does the other things that we sophisticated hams tend not to do. So we can be snobbish.

So what I am going to try and do is to be more outgoing with my radio practice. To invite a new ham to a club meeting, or when I hear one ID sometime get on there and talk back to him. We were all new at some point and we remember our first QSO's and how exciting they were. So anyway I hope all of you will make a point to be nice or encouraging to that new ham you contact or even that old one that you haven't heard before.

I will be having a surgery the week after this is written on a problem that I have been putting off for some time. So I should say that my reporting for this quarter hasn't been the greatest and that I promise it will get better. Of course you Mississippians have every right to write in and have me fired but of course please be willing to take my place also. Ha Ha Ha…

And now for the news...

HATTIESBURG CLUB ELECTS NEW OFFICERS

For about 8 years the **HARC** has had the same officers and they have done a fine job. They finally became tired and asked for a rest so new volunteers have sprung to action. Please keep these folks in your prayers especially the new vice president. The new officers for 2004 are: **Jim Maginn N5LAJ**, President. **Charles Diamond KG4CKW**, Vice President. **Mike Purvis N5VHC S**ecretary, and **Lex Mason KD5XG,** Treasurer.

LOWNDES COUNTY ARC NAMES HAM OF THE YEAR.

The Lowndes County Amateur Radio Club recognized **Doug Scallions, KD5FUO**, as it's **2003 Ham of the Year.** Doug was commended for being a self-starter, having a high energy level and giving unselfishly of his time and resources in the pursuit of our favorite hobby. A few of his many accomplishments include: Field Day publicity, Emergency Coordinator, Vice President, ran the SET, directed tornado emergency activities, acquired clubhouse, fabricated clubhouse sign, recruited students for our last ham class, helped move the Girl Scouts, etc. etc. (This was reprinted from the *Lowndes County Amateur Radio Club Bulletin.)*

JACKSON HAMFEST

This hasn't been held as of the time I am writing the article but I will cover it in the next issue for you. Hope you folks got to come by and visit me at the SERA both.

The **Jackson Amateur Radio Club** is seeking nominations for the **2004 Breland Award**. The fourth Breland Award will be presented at the Jackson Hamfest on Saturday, February 7, 2004. The JARC is encouraging nominations from throughout the Mississippi Section based on the following criteria. The nominee should be 21 years of age or younger, and be a licensed amateur. In the nomination it should be included how the nominee has demonstrated an interest and what he would do with the money awarded.

The first two Breland Awards were announced at the JARC Hamfest in February 2001. They went to Andrew Mclarty, KC5OSX and Daniel Bracey, KD5KMJ. The second Breland Award was presented to Demetria Bracey, KD5QBA, at the Jackson Hamfest. The 2003 Breland Award went to Leo Stevens, KD5HIH.

Nominations should be sent to Bill Mclarty, KM5GE, via email at Km5g3@arrl.net, or by mail to the JARC post office address (P.O. Box 55643, Jackson, MS. 39296), arriving no later than Friday, January 30, 2004. A committee will review all nominations and determine the winner. (This was reprinted from the JARC website.) *[this **Repeater Journal** will arrive too late for this year's nomination, but this is a good reminder to think about hams you might want to nominate all year - KN4AQ]*

Well that is about all I have for this month. I will try and get you more and more news from the state next time. Keep the digital pictures and those club newsletters coming. I would like to thank the three clubs that have been doing this: **The Meridian Amateur Radio Club, The Jackson County Amateur Club and** also the **Lowndes County Amateur Radio club.** ■

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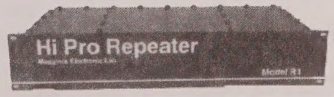

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NORTH CAROLINA

REPORTED BY
MIKE LEWIS WA4KE
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WA4KE@SERA.ORG

The jolly old elf stopped by the house and left a few bills and some other stuff. I found it was easier to decipher "The DaVinci Code" than figure out the dovetail jig for my woodworking project. Well another year has passed and this year is two months old.

ELKIN HAMFEST ON AGAIN

The **Elkin Hamfest** organizers announced that the hamfest was closed due to falling attendance, but just before press time a new group restarted the hamfest at a new location. The details are:

Elkin Hamfest:
Sunday February 22, 2004, 8:00 AM
at the Elkin recreation center gym, located on Hwy 268 west going out of Elkin toward Wilkesboro, just before Henderson & Wood Chevy-Dodge. Contact Drew Poindexter AD4T at ad4t@triad.rr.net for more information.

Wilmington's **Azalea Coast ARC** AC4RC had Dave Haase N4CAT present a talk about pirate radio. In addition, Dave has presented programs on old time radio and restoration projects.

NC QSO PARTY

Tri-County ARC NC4AR supported a special event in Randleman. During the month of October, Randleman sponsors NASCAR days. This year Kyle Petty made a personal appearance to sign autographs. The special appearance had people lined up around the block and down the street. The club had excellent participation from its members. Also, the NC4AR wants to remind everybody that **NCQSO PARTY** is scheduled for FEBRUARY 29, 2004. (I wonder who took first place last year and the year before?) Butch, WS4H is looking for some competition this year in the QSO party and welcomes all comers.

NCSU Student ARS W4ATC is working with Glenn KF4RDN and Joe KF4LNQ in making j-pole antennas. In addition, several people are very interested in having CW practice sessions and studying for amateur radio examinations. The club is preparing to schedule a VE (volunteer examiner) session on campus, depending on the number of people who are interested.

During a meeting Gary KN4AQ gave a presentation on how repeaters work and showed off the new/ improved 145.13 machine, operated in cooperation with the Raleigh ARS under the callsign W4RNC. The repeater is now on the air from the DH Hill Library building.

The Albemarle Amateur Radio Society assisted with the Ghost Walk, and Dave N1DP acted as the leader of the communications group.

At a recent meeting of the **Brightleaf ARC**, Dave LeMoine KV4CN reported that the club has been asked to help at the Special Olympics State Basketball Tournament when they come to Greenville in March. Dave also told about the club's plans for the North Pole Amateur Radio Network to be held with children in the Pitt County Memorial Hospital on Friday, December 19 after lunch.

The **Cabarrus ARC** would like to thank Michael Southworth N2QJI and Dexter McIntyre W4DEX for the great tour of the AT&T bunker on Saturday in Stanfield. Please check out the new Activities page for pictures of the bunker.

The **North Carolina Special Events Group** operated under the callsign W4B

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Steve K4SER at 252-792-1368
or
Harold KC4ZMF at 252-792-4118
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Saturday - April 17th, 2004
8 AM - Until
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Larry Withrow (AF4HX)
(828) 652-4195
Email: af4hx@worldnet.att.net

Ticket Information
Don Beam (KK4NI)
Voice: (828) 652-3102
Email: dbeam@wnclink.com

Hamfest Mailing Address
Catawba Valley Hamfest
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Please include a stamped, addressed return envelope!

Catawba Valley Hamfest
2583 Nix Creek Rd.
Marion, NC 28752

Sponsored by the Burke, Caldwell & McDowell County Amateurs and the Morganton Recreation Department

on December 12-17 to commemorate Wright Brothers' flight centenary at Kitty Hawk. The group is a nonprofit organization that promotes historical and other events via Amateur Radio to increase public awareness of ham radio. For more information, visit the NCSEG Web site **www.ncseg.org** or contact Robert Hamrick WA4RH at **wa4rh@ncseg.org**.

The **Guilford Amateur Society** was asked by the Starbucks in Greensboro to assist with collecting toys for the children at the Brenners Children Hospital in Winston-Salem. Starbucks has done this activity for the past several years, but this year was the first year the radio club was asked to assist. The club is taking this activity on as part of the future direction of the GAS. The club already helps though Skywarn and ARES participation. The club is also collecting magazines, books, and Christmas Cards for our soldiers fighting in Iraq.

The Raleigh ARS provided monetary support to Camille KI4CED to attend Handi-Ham Camp and also donated to the ARRL's BPL lobby effort.

W4CC'S NEW YEAR'S RESOLUTIONS:

John Covington W4CC, ARRL NC SM, would like each amateur radio licensee to plan to do something this year to help others enjoy Amateur Radio. Some ideas each person should think about are to:

- conduct a program at a club meeting,
- invite a new ham to operate your station during a contest,
- offer someone who does not drive a ride to a club meeting or hamfest,
- teach one night of a ham class,
- help someone get their antenna working,
- write an article for a newsletter about your favorite ham experience,
- help scouts participate in Jamboree On The Air,
- show off some DX QSLs at a club meeting,
- answer the new callsign you just heard on a repeater, or,
- help someone get started in ham radio.

Thanks to KB2EHJ and N2COP for their contributions this month appearing elsewhere in this issue. See you at the **Charlotte Hamfest**. Send all news, reports, or club events to WA4KE@SERA.ORG, and keep John Covington W4CC@arrl.org updated on your club's status. ■

Boy Scouts Go To College

by Mark Wright, KB2EHJ

Our newest member to the Durham FM Association and Eagle Scout Jonathan Bittner KC2LWC announced that help was needed at a merit badge college held for the members of the Boy Scouts of America, Occoneechee Council demonstrating various parts of the amateur radio hobby. The event was to take place at Duke University in Durham, NC.

I volunteered to assist with the event. When the event was first announced it was thought that only three scouts would be participating in this merit badge session, however when I arrived I was stunned to see that seven scouts were now attending. Radio merit badge unfortunately is not one of the popular badges to earn.

I donated the use of my IC-756, along with a 20m dipole donated by Dave Love N4UBH. The antenna was hung outside the building and the feed line was fed through a second story window of the Social Sciences Building to the operating position.

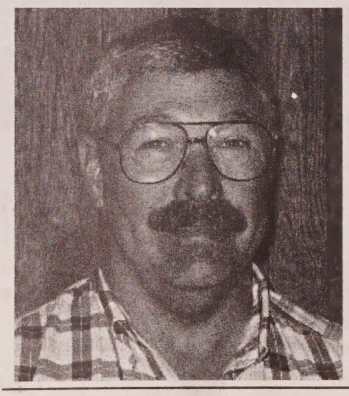
We made several contacts, including two special event stations, one to WD4WDW which was celebrating the 75th Anniversary of Mickey Mouse, and W4B which was running another demonstration station for the Boy Scouts in Florida at a camporee. Along with the SSB demonstration, scouts listened to CW to hear what it sounded like.

Jonathon and I demonstrated VHF communications by keying up several of the local repeaters and explained how they worked. We then split the scouts into two groups, took one into another room, and demonstrated simplex operations by allowing the scouts to talk to one anther via amateur radio.

By the time we had finished the demonstrations several parents had joined in and were asking questions – maybe we will get some new hams out of this?

A Merit Badge College is an event were multiple counselors covering multiple subjects' meet at a central location and work with the scouts on the requirements for a particular merit badge.

A total of 35 scouts participated in this one day event. ■



WD4JPQ SK

*Wayne Ross WD4JPQ became a Silent Key on September 5, 2003. The Amateur Radio community lost a popular and active radio amateur. Wayne was responsible for several repeaters and packet nodes in the Greenville NC area. (BARC **Ham Chatter**)*

Thanks For Making Our 2003 Show a Great Success!

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FOURTEENTH ANNUAL

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Prizes

Sunday, March 21, 2004

8 AM until 3 PM

At the

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Hwy 11 South: Follow signs from US 70 East

Heated Indoor & Flea Market
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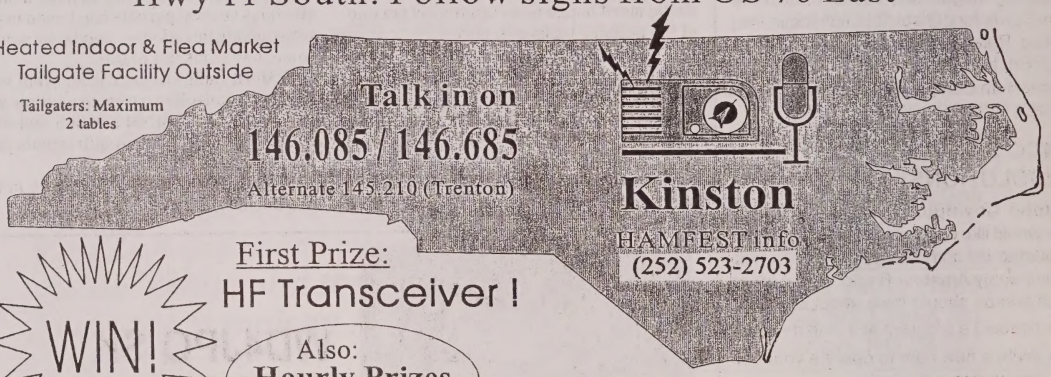

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First Prize:
HF Transceiver !

Also:
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(Must be present to win)

ADMISSION

$4 each or 3 for $10 in Advance
(pre-register by March 13, 2004)
$5 each or 3 for $12 at the Door

Tables available through pre-registration on a first come - first serve basis. Locations are assigned by HAMFEST.

FCC EXAMS

Bring an original and a copy of your license or certificate and Credit Certificate (if applicable). Walk-ins only !

Exams start at 11 AM

Items to be sold at the Hamfest: radios, computers & relating Amateur Radio accessories

Pre-Registration Form
PLEASE PRINT CLEARLY

Name: _____ Call: _____

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Phone: _(____)_____

Economical Meals and Refreshments Available on the Grounds.

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Pre-Registration Prize

2 Meter Handy-Talkie

Send completed form and SASE to:
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P.O. Box 1778
Kinston, NC 28503

TICKET/TABLE INFORMATION

Quantity		Amount
___	Advanced Tickets $4 Ea.	
___	or 3 for $10	
___	Tables: $10 Ea.	
___	Electrical Outlets $5 Ea.	
	Total:	

Forms must be received by March 13, 2004 !

Wilmington hams keep busy

Bill Morine N2COP

For the past 25 years, historic Wilmington, North Carolina on the Cape Fear River has celebrated its heritage as the Tar Heel state's largest port by holding a festival called Riverfest. The **Azalea Coast Amateur Radio Club** honored this year's Silver Anniversary by hosting a special event station.

Hundreds of visitors stopped by, including the *Journal's* esteemed editor, Gary Pearce KN4AQ and his lovely bride, Cyndi KD4ACW, who were in town.

In addition to HF and even some QRP, EchoLink was featured. Shown here on the right is Dave Schronce KG4QQR using a laptop and wireless modem to access a local EchoLink repeater. He exchanged greetings with several foreign countries.

Looking on in amazement are Larry Modlin KG4SYQ on the left and 86-year old Ed Thomson W9IQK in the center. Ed first got his call in the 1930s, but couldn't renew it during World War II because he was out of the country in the military at renewal time. Someone else was assigned Ed's old call, but the gentleman died in the mid 1990s, and Ed got it back again.

"Patience is a virtue", says Ed. That's an understatement. ■

Wilmington's Bill Morine N2COP was appointed as NC ARRL Public Information Coordinator last fall, and has recently been invited to join the ARRL Public Relations Committee - KN4AQ

Once Again, Shelby
Just Keeps On Going Strong!

THOUSANDS OF PEOPLE

Enjoyed The Great -

2003 Shelby Hamfest

We Thank You

And We Hope You'll Join Us for

Shelby 2004

Next Labor Day Weekend

September 4-5

We promise you -
it will get even better!

To be held as usual at the

Cleveland County Fairgrounds, Shelby, NC

The Great Shelby, NC Hamfest -
"The Granddaddy of them all"- proudly sponsored by the Shelby Amateur Radio Club

(More details and information in future *Repeater Journal* issues)

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WILMINGTON'S ANGELS - No, these are not the stars of last summer's block buster movie, but what they are trained to do is more realistic. Pictured are newly licensed Technicians enjoying their first Field Day on the grounds of New Hanover Regional Medical Center in Wilmington. From left to right are hospital employees Christy Spivey KI4BDE, Monica Ellison KI4AXG and Cheryl Chirco KI4BDH.

All three graduated from the first round of training of CARES, the Carolinas Amateur Radio Emergency Services, the organization formed by 13 hospitals in the coastal Carolinas to address public health emergency communications using amateur radio.

CARES is in the process of installing five 220 MHz repeaters in southeastern North Carolina and northeastern South Carolina which will serve as the backbone for CARES, which hopes to be operational by this coming summer. - *N2COP*

SOUTH CAROLINA

REPORTED BY
ROGER GREGORY W4RWG
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UNION, SC 29397
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W4RWG@SERA.ORG

HELLO SOUTH CAROLINA,

I am finishing this article just after returning from the SERA Board Meeting in Pigeon Forge, Tennessee. This was my first Board Meeting as President of The SouthEastern Repeater Association and would like to take this opportunity to thank you for allowing me the honor and privilege of serving as President for the next two years. I want to publicly thank Don Williams W4VT for his devotion and the hard work he did while serving as SERA President. His shoes will be hard to fill.

I plan to continue to represent South Carolina as State Director, Frequency Coordinator, and also plan to continue writing the SC news. If I can assist anyone please don't hesitate to contact me.

The Anderson Radio Club has a new meeting place at the Anderson EOC at the corner of Tower and Church Street. The new meeting room upstairs has plenty of room with chairs and tables. Jimmy Lollis WDBUH gave a very informative program on Amateur TV and related topics. The ARC holds a net each night at 8:30 pm local time on the 146.79 repeater. For the month of October they had 744 check-ins.

The Blue Ridge Amateur Radio Society welcomes new members Fred Maxwell WA4PAV, and David Phillips KI4CQM. The BRARS has ordered a new Icom Repeater for 146.61. Guest speaker for the November meeting was Ann Wright of the American Red Cross. She spoke on the service provided by the Red Cross. BRARS President John Chism ND4N presented a check to Wright on behalf of the club for appreciation for use of their facility for their meetings.

The BRARC is making plans for their hamfest to be held May 1, 2004. The location for the **Upstate Hamfest** will be the Spartanburg County Fairgrounds. SERA will be there too.

The Greenville WCARS VE team gives exams the first Saturday of each month at the Red Cross Building on Grove Road. The contacts are John Chism ND4N or Sue Chism N4ENX: **n4enx@mindspring.com.**

The Charleston Amateur Radio Society welcomes new member Mitch

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Mitchell W4MUR. **The annual Charleston Hamfest** was held February 7th. The CARS wants to thank everyone for coming. The CARS provided communications support for the Isle of Palms Connecter Run on October 4th, Race officials expressed their appreciation for a job well done. The CARS held their annual Christmas Party on December 8th at The Omar Shrine Temple in Mt. Pleasant

The Chester Amateur Radio Emergency Services Club welcomes one new member: Brian Rucker KI4CKX. The CARESC sponsored a Red Cross Blood Drive on November 24. Their Christmas dinner/meeting was held December 15th at the Summit Restaurant in Chester.

Fred Atkinson WB4AEJ lives in Columbia, South Carolina. A ham since 1975, he holds an Extra Class Amateur License. Fred is currently teaching as an adjunct professor at Midlands Technical College in Columbia. He teaches PC repair, electronics, and networking. He is a life member of the ARRL, QCWA, and AMSAT. He has written a very informative article about hams setting up their own web site. It is a step-by-step procedure. I have visited this site and found it to be very helpful in building your own web page. The URL is **www.wb4aej.com/hamdomain**. Fred is a member of SERA and invites all hams to visit this site.

The Florence Amateur Radio Club has two new members: Bob Austin K7DVB from Dillon, and Jerl Hanna KI4CBL from Hemingway. Both of these new members are welcomed on board. The FARC set up a ham station at the Florence Boy Scout Office. They had a good turnout for the annual JOTA. The FARC will have an amateur station set up at Gilbert Field in Florence in May for "May Fly." They plan to set up a memorial for the late Pappy Weeks WA4ISM, who was an aviator and former member of the FARC.

The Grand Strand Amateur Radio Club had nothing but good comments about their hamfest in November. Most hams and vendors indicated that they would be back again next year.

New date for the 2004 **Myrtle Beach Hamfest** will be October 30, 2004. Jim Wood KF4CJE does a great job with the hamfest. The GSARC welcomes new member Tommy Springfield KI4BSE of Murrells Inlet. New elected officers for 2004 are: President Olin Persons W4EZR, Vice President Tom Palmieri K3PJ, Secretary Gordan Moodyhan KE4HXL, Treasurer Tom Morgan AF4HL, and PIO Ozzie Beauchamp K9OZI.

The Greer Radio Club: I saw a reminder of a foxhunt on December 13th at the Old Kay Mart in Greer sponsored by the Green Radio Club. I would appreciate news from your club. Please have the secretary send me your newsletters. I would like to include you with the SC news each issue.

The Laurens Amateur Radio Society did very well with Field Day 2003 despite noisy band conditions and generally poor propagation. They placed first in the state in the 1-A category. They placed second in the state in all categories, and in the top 25% of all stations and categories throughout North America. This was truly respectable and members can be proud of a job well done. The LARS held their annual Christmas Dinner/meeting on December 18th at Ryan's Steak House in Laurens.

The Salkehatchie Amateur Radio Society is considering the installation of a local club repeater. They are considering something other than 2 meters, such as 220 or 440. (Please let SERA know how we can help). Having recently being reorganized, the SARS has decided to contact the local Emergency Management Director to let him know the club's interest in emergency communications. They are also considering participation in events such as parades, and hosting a hamfest. For the time being they are holding their meetings at members homes. I kind of like that idea anyway.

The Spartanburg Amateur Radio Club had Marc Tarplee N4UFF, Section Techni-

Union Hamfest
& Computer Fair
Union County Amateur Radio Club
Saturday, April 3, 2004
SAME HOSPITALITY, SAME GOOD FOOD, SAME LOCATION

Union County Fairgrounds
Located on 176 Bypass
in Union, South Carolina

8:00 AM - 2:00 PM
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Tailgate *free* with admission ticket

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864-427-1462
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cal Coordinator, as a guest speaker at their November meeting. Marc spoke on Six Meters, the mystery band. On December 2nd they had their annual Christmas Meeting at Prime Sirloin on Highway 29.

The "A Team" has been busy again. They put up a new antenna and cable for the American Red Cross transceiver at the Red Cross Building. Although Harold Kindley WA4GIB, Steve Wilzbacher K4SAW, and Art Patterson KE4EAN helped, guess who was on the tower? None other than "My Friend Fritz" W4NTO. Now is he 84 or 85? Gains Hall W4GH was also on the tower. Maybe "Fritz" is training him up.

On December 6th, six members of the SARC were at the Greenville/Spartanburg Regional Airport for National Skywarn Recognition Day. They contacted weather services all over the hemisphere and exchanged weather reports. Charlie Miller AE4UX, SEC for South Carolina, was the speaker at the SARC January meeting.

The Union County Amateur Radio Club WCARS VE Team holds exam sessions the 2nd Thursday in January, March, May, July, September, and November at 7:00 pm in the Union County 911 Center training room on North Pinckney Street in Union. Contact Jim WJ4C for information, **wj4c@charter.net**.

The York County Radio Society had a very successful year during 2003. A lot of events occurred last year such as providing communications for the *Come See Me Bicycle Race,* the pill distribution with EOC in Rock Hill, Red Cross & Skywarn classes, a Radar class, Field Day, and a new location for the **Rock Hill Hamfest.**

Awards were given to the members that participated in activities during the year, and to recognize the officers and chairmen that were appointed to various positions. Two special plaques were given. Van Brown KG4LUT received a plaque commending him on a successful year as President. Dr. Marc Tarplee N4UFP was given the "Golden Screwdriver" Award, complete with a beautiful plaque that included a miniature "golden" screwdriver. Four members received awards for Perfect Attendance during the year.

The YCARS announces the death of Dr. Bob Patton K4DFW. Dr. Bob passed away December 24th. A long time member of YCARS, he will be missed by all. I extend my sympathy to the Patton family.

YCARS Officers for 2004 are:

- Van Brown KG4LUT, President
- Morgan Williams KB4GFJ, VP
- Sheila Parrish KG4CDF, Secretary
- Russell Harpster KG4EAP, Treas.
- Brad Humphries AE4VJ–Custodian.

The YCARS would like to welcome new members Lonnie Hall – W4LON, and his wife Connie – K4CON. The Hall's recently moved to York, and are originally from Indiana.

NEWLY COORDINATED OR PROPOSED REPEATERS IN SOUTH CAROLINA.

KG4JIA	224.5	Gaffney – On air
AB4OE	53.03	Blacksburg – Proposed
KE4PAB	927.5125	Pickens – Proposed
KF4BJO	53.47	Gaffney – Proposed

Attention South Carolina Repeater Owners. Are you a SERA Full Member? I would like for you to consider joining the SouthEastern Repeater Association. The cost is only $20 per year. Send your full membership dues in today. Lets make South Carolina 100%. SERA needs your support, and with full membership not only will you support the SouthEastern Repeater Association, you and your designee will receive the *Repeater Journal* for as long as you are a full member. What a deal!

Would you like to see news from your club in the journal? It's easy! Tell your club Secretary to make sure I am on their newsletter mailing list.

73, Roger Gregory W4RWG
President, SC Director

PRIZES – FOOD – TAILGATING – INDOOR EXHIBITORS

UPSTATE SC HAMFEST

WWW.UPSTATEHAMFEST.ORG

Saturday, May 1, 2004

ARRL SC Section Convention

Piedmont Interstate Fairgrounds of Spartanburg, SC

Located on Fairgrounds Rd, Spartanburg SC, Business I-85, Exit 4, S. on Hwy 56 approx. 3 miles; Follow Signs.

THREE 2 meter mobile radios to be given away. Yaesu VX-150 HT Pre-registration prize.
Large Outdoor Tailgating Area with Easy Access, Indoor Exhibitors Area, Bingo for the ladies!
Fairgrounds are Handicapped Accessible – Free Parking
WCARS/VEC Sponsored Ham License exams at 11:00 AM (Off Site)
For Advance Information, Tickets, Tables,
SEND SASE to: **BRARS, Inc., PO Box 6751, Greenville, SC 29606**
General Information: Contact **John M. Hoyt, W5UGD**, [9am - 8pm] **(864) 859-8316**
Or by **e-mail: hamfest@brars.org**

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VE TESTING – BINGO – FOX HUNT – ARRL INFO BOOTH

"Promoting Youth in Amateur Radio"

KNOXVILLE HAMFEST & Electronics Exposition 2004

Saturday June 12

9 AM to 4 PM

Electronics Exposition Friday June 11 - 6 PM to 9 PM

National Guard Armory - 3300 Sutherland Ave, Knoxville TN 37919
TALK-IN on W4BBB Repeaters 147.30, 224.50, 444.575 LINKED

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For updated info check our Web site at Http://www.W4BBB.org

"Our 38th Annual Hamfest - And still Innovating"

TENNESSEE

REPORTED BY
BOB GAULT KD4NEC
221 CEDARWOOD TRAIL
CLEVELAND, TN 37312
KD4NEC@SERA.ORG

It's a new year when clubs install new leadership for the coming year. The **Mountain Empire Amateur Radio Society** (MEARS) elected as officers for 2004:

- President, Bernard Leonard W4LGY
- VP, Bob Jones KD4CZE
- Treasurer, Joyce Snapp N4ODB
- Secretary, Cathy Stephenson KF4ZTN

The club serves Washington County as Skywarn spotters.

On the opposite end of the state the **Mid-South Amateur Radio Association** in Memphis has installed new officers:

- President, Tony Brignole WA4KHN
- VP, Tom Wilson K4ZFV
- Treasurer, John Parish KD4EUZ
- Secretary, Dick Barnes KA4HXB

Officers of the **Smoky Mountains Amateur Radio Club** are:

- President, Steve Carpenter KG4LDD
- VP, Hal Weeden KD4EDH
- Sec/Treas, Carroll Peabody W4PCA

The **Cleveland Amateur Radio Club's** ARRL testing team recently conducted a Technician examination for one of the youngest applicants they've had to attend a testing session. Emily Bishop, 8, became involved in amateur radio with her dad, Mike Bishop KI4AME, who is also new to the hobby. She read each question carefully, and had no difficulty receiving a passing score. Her dad said Emily studied hard for several weeks, including nightly sessions for several months after her school homework was completed.

Her third grade classmates at Michigan Avenue Elementary School were given a taste of amateur radio during a visit by her dad and other club members. Emily explained how she was able to communicate via her handy-talkie to other hams using a club repeater.

Being one of the youngest hams in the county and the state of Tennessee earned the 8-year-old some notoriety. News articles appeared in two publications, the *Chattanooga Times-Free Press* and the *Bradley News Weekly*.

There was little doubt for Emily after weeks of studying that she would be able to master the test material. As she exited the building while her papers were being graded, she gave her dad a thumbs up. A few days later she received her new callsign: KI4CHK.

The **Radio Amateur Transmitting Society** has a website for those needing more information about club activities. Check it out at **www.nashvillerate.org**.

Presenting the "Original" Cleveland (TN)

HAMFEST

Cleveland, Tennessee

Saturday, April 3rd

Bradley Central High School
S. Lee Highway (US 11) Cleveland, TN

8:00 AM

Door Prizes ■ Vendor Booths ■ Free inside tables and covered tailgate area

Admission $5.00

Talk-in: 147.18(+) or 146.925(-) or 147.105(+)

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New TN ARRL SM – WB4NCW

SERA member **Larry Marshall WB4NCW** was elected as the new Tennessee ARRL Section Manager last year. Larry told the Repeater Journal a little about his background:

"I have been a Amateur since 1969 and have worked almost all modes. I got my feet wet early in amateur repeaters. We used my old Dodge Van to take the original W4UOT 146.70 repeater to the top of the mountain.

"I served two terms as President of the Middle Tennessee Amateur Rado Society (MTARS) and have served as Hamfest Chairman of the MTARS Tullahoma Hamfest for several years.

"We moved to Lincoln County in the Spring of 2003 and remain active in MTARS and have joined the Lincoln County Amateur Radio Association (LCARA). Giles County Skywarn is the next County West of my location and I joined that group at their ARRL Official Recognition meeting.

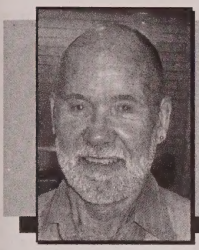
"I would like to thank all who supported my campaign and look forward to working with the Amateurs of Tennessee."

Congratulations on your election, Larry!

The **Southeastern VHF Society** is sponsoring a new award to further communications in the VHF bands. The award is given for working all of the grid squares in the EM Field using VHF frequencies. It is mixed band and open to all amateurs.

While searching out information for this issue, I found an interesting article in the December issue of the **Rhea County Amateur Radio Society's** *Transponder* newsletter. Included is a diagram on making your own power supply that will automatically switch to emergency power due to an outage. Their website is at **rcars.net.**

Any clubs or individuals who know of outstanding amateurs who deserve recognition are encouraged to get in contact with me via e-mail or snail mail. ■



VIRGINIA

REPORTED BY
FRED WEAVER KG4BKI
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ZUNI, VIRGINIA 23898
757-242-9066
KG4BKI@SERA.ORG

One Year (and a little) As Your Correspondent

The 'Isabel' issue was actually the one-year anniversary of my assignment as the Virginia Correspondent for the *RJ*. I have really enjoyed doing the column. A few folks have been very kind in their compliments of my work and I appreciate that very much. I have especially enjoyed meeting and getting to know my editor KN4AQ. Did you read in the 'Isabel' issue how he rescued the communications of a whole county with his out-of-band modified radios? Did you read how he pounded the collar of a PL259 out of shape to squeeze it through a tiny opening in a concrete block wall and then reshape it to hook it back up? So, obviously, I am happy to be associated with Gary and with SERA.

From a year ago my station has evolved. My HF rig is now a Yaesu FT-840 running into a 90' wire antenna. Still like to work the digital modes: PSK31/63, MFSK, RTTY, for the most part. A lightning strike took out my Radio Shack 2m rig and my insurance company replaced it with an Alinco dual bander with the TNC inside. The internal TNC is nifty. Readers are still encouraged to contact me via packet at: kg4bki @ kr4ma.#tide.va.us.noam.

Some things have been done pretty well. A column has appeared every quarter. My two most reliable contributors have been **Carl W4CAC** (Virginia ARRL SM) and **Tony KR4UQ** (Virginia RACES SERO). The fact that both of these gentlemen have contributed, and continue to contribute, is a good deal for *RJ* readers.

Enough of that. I need a lot more help in covering the parts of the state that are not between Richmond and my shack here in Podunk. Send it to me! I am a volunteer who also has to work for a livelihood so I need your help. I want to report news from your neck of the woods, too. Send it to me!

SK

With sadness, I report the passing of **Jim Sausa KD4LAV.** Jim was DERO of District 4. Jim worked closely with the Fredericksburg, VA Fire Department and with the American Red Cross. His wife, Lita Frankel Sausa, survives him.

SKYWARN RECOGNITION DAY 2003

Special events are....well....special! Skywarn Recognition Day (SRD) is one of my favorite special events. What is neat is you can work SRD on virtually *any* mode. I worked the National Hurricane Center and the National Severe Weather Prediction Center on Echolink. Then I worked W5T on PSK31, earning the digital 'endorsement' on the certificate. Great fun! Hams at NWS stations do it all.

Locally, the **Chesapeake Amateur Radio Service** (CARS) operated as WX4AKQ, the call of the station at NWS Wakefield. They made 167 contacts, mostly on 40M with a few on 2M and one on 10M. The report in their newsletter, *Spectrum,* January 2004, also indicates that they had a lot of fun doing it. And, that is what really counts.

During SRD the **Western Tidewater Radio Association** (WTRA) was touring the facilities at NWS Wakefield and looking at the 'real' WX4AKQ which is UHF/VHF. There is a HF rig sitting there in a box waiting for the tower to be erected that will support the HF antennas. Your correspondent is looking forward to working many modes from that station in the future.

BROADBAND OVER POWER LINE (BPL)

Having a little trouble understanding the BPL thing? Let me help. If you have ever used a baby monitor or intercom that plugged in to a 110v receptacle, you have used the most basic level of this technology. The transmitter sends an RF signal on the wires of the house to the receiver on the coffee table.

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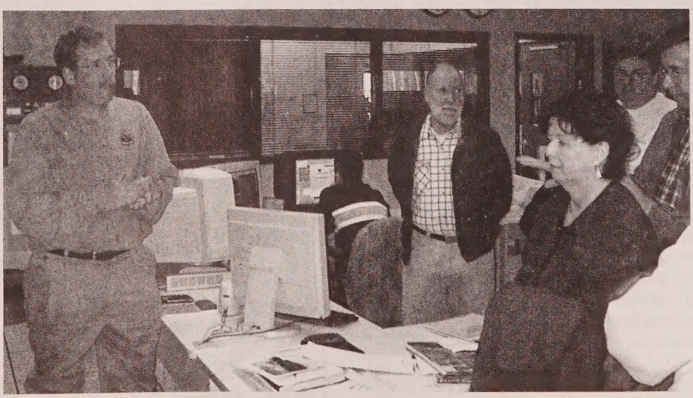


Western Tidewater Radio Association (WTRA) on Skywarn Recognition Day, December 6, 2003. From Left to Right: Bill Sammler of NWS, the author KG4BKI (standing in the middle of one of the forecaster's station), Linda Wise KG4UGS, Chris Hanslits KA8UNO, and Dick Harrell W4RBH.

or county and will carry Internet service. The carrier frequency falls in the frequency range that can effect HF communications. Pay attention to this!!

The ARRL has weighed in on this issue as well as FEMA. If you are involved in actual BPL testing, contact my editor, who is personally involved in BPL testing. kn4aq@sera.org.

VIRGINIA RACES, INC. ELECTS NEW LEADER

Steve Cuccio is elected as President and Chairman of the VARACES. He succeeds Tony Amato KR4UQ who has lead the organization since its inception.

I know that Tony will wade through contaminated floodwaters up to his private parts to deliver a needed piece of equipment to an EOC. He did this during Hurricane Floyd at the City of Franklin. His commitment to AR Emergency Communications is exemplary.

Tony has indicated that the training material that VARACES has developed is one of the most important achievements of the organization under his leadership. He acknowledges the contribution of Ed Harris KE4SKY and others for their work on the programs that have been downloaded and used all over the world.

Congratulations to Steve, and to the new officers of the organization.

ISABEL FROM THE RIGHT, SEVERE WEATHER FROM THE LEFT, EARTHQUAKE DOWN THE MIDDLE.

Readers of the RJ have seen my report on Isabel. Well on November 19, 2003, my email began to show the Virginia EOC (VEOC) Situation Reports (SITREP) of what was going on in the western part of Virginia as the result of severe weather. Tazewell, Smyth and Russell counties report shelters open and a declared local emergency in Smyth Co.

As events unfolded, I received eight of these reports through the Ecomm group that I am associated with. In addition to the counties mentioned, Bland County, Rockbridge County, Galax City, Pulaski County, Giles County, and Radford City all showed up with shelters open, flooding, local states emergency and more. Governor Warner declared a State of Emergency for he effected areas.

While a communications emergency did not develop in the effected area, Butch (?) N5SMQ, the EC of Highland County, reported that he and other hams in Virginia and West Virginia were monitoring the local repeaters in the event of a local communications situation that required their attention.

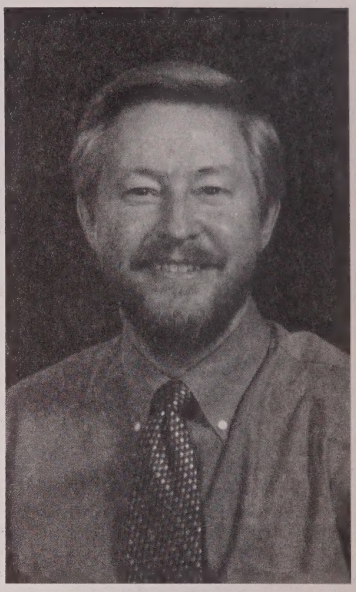
The earthquake down the middle was not a ham radio event, except that most of what I know about it came through my ham connection. My SERA colleague Jay N4YMY sent the first message. This was followed by a forwarded Earthquake Report from NWS Blacksburg. The epicenter was 35 miles west of Richmond and was 4.5 on the Richter. This was December 9th at 3:59PM. There are a lot of 'very nervous dog' stories going around about this event, including one from here in Podunk.

4-H AEROSPACE CAMP 2004

Two years ago the WTRA put on a presentation of Ham Radio for the 4-H Aerospace Camp at the Airfield Conference Center near Wakefield. This is the kind of opportunity Hams love. Eighty kids looking to have a little fun with some technological stuff. In 2002, we showed them SSB, packet, PSK31, FM, phonetics and some CW. Would you have guessed that one of the most exciting things was learning to say their name in 'phonetics'?

The club is invited back again in 2004, March 27-28. If you are in the vicinity of Wakefield and want a piece of this action, contact me.

73, bki>



*Congratulations to SERA member **Greg Sarratt W4OZK,** the new Alabama ARRL Section Manager. Greg had been the Section Technical Coordinator.*

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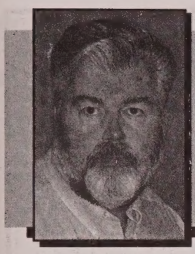


WEST VIRGINIA

REPORTED BY
RICHARD CLEMENS KB8AOB
102 HICKORY STREET
BUCKHANNON, WV 26201
304-439-1248
KB8AOB@SERA.ORG

SERA MEMBER

GREETINGS FROM WEST VIRGINIA

[The Repeater Journal welcomes Richard Clemens KB8AOB as our new columnist for West Virginia! Thanks for volunteering, Richard, and welcome aboard! - KN4AQ]

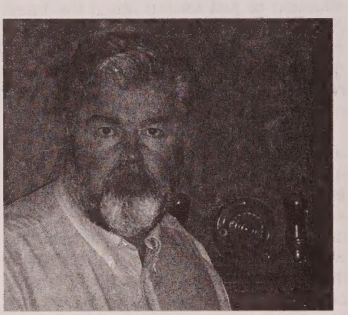
After seeing the West Virginia state news correspondent's slot open for many issues I finally volunteered to help gather and report the events of the mountain state for the *Repeater Journal*. While not a native West Virginian I do consider this to be my home and certainly enjoy the many fine features and people of the state.

My interest in amateur radio dates back to the early 50's as a kid growing up in Mansfield, Ohio. Some of my curiosity must run in the family as I remember my father telling of his experiments with a Model-T spark coil and several discarded dry cells from the local automobile shop. Then I remember watching my brother build a three-tube shortwave receiver using a tinsmith's soldering iron – and it actually worked! In my early teens a good friend a few houses down the block and I rigged some D cells, flashlight bulbs, large foil covered reflectors and with homemade keys sent messages by Morse code. I even had some 78 RPM records to learn the code back then but never got very far.

It wasn't until I met **Arnold Sayre W8WVM** in the early 1980's did my curiosity reach a point of actually learning and (under Arnold's watchful eye) passing the Novice exam. Once my Novice license was in hand I used the **West Virginia Wesleyan College Amateur Radio Club** station to make my first real amateur radio contact. Since then it has been one long continuous investigation of amateur radio, many of its modes and much learning.

Today you will most often find me on the HF bands running QRP with solar power or sending images via SSTV. I always have a HT handy as well and maintain an APRS weather station near Harman as well.

While I have been unable to interest my wife, Lois or any of our four grown children to become amateur radio operators, my participation in the Wesleyan ARC has perhaps helped to spark a few students to become involved. I am an associate professor of computer science at Wesleyan and enjoy the hardware side of comput-



Rich's full picture. Let's see if K4PZT recognizes the radio in the background

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ing. I like to work with microprocessors at the chip level and often build devices that have a correlation to amateur radio. In addition to amateur radio I also enjoy astronomy, photography, my six grandkids, fly fishing, and traveling when not on the air.

For those of you that do not visit the mountain state, you may not know West Virginian's enjoy one of the finest coordinated repeater systems in the country. **Dick Fowler N8FMD** and a number of others are responsible for the creation and maintenance of a linked repeater system that covers nearly all of the state plus significant portions of neighboring states. Any time that I travel in the state, I can reach a local repeater and am in direct contact with other hams, whether it is an emergency situation or just talking about the latest piece of ham gear. The **HamTalk Repeater System** is a real asset to West Virginia, and those hard-working individuals responsible are to be congratulated for many years of dedicated effort.

That is what makes amateur radio such a great hobby, the people. I have met so many fine individuals over the years and enjoyed the opportunity to share my interests with others, whether they are in another part of town or half way around the world. If you are not taking advantage of the chance to reach out to others in your community by attending a meeting of your local amateur radio club, helping a fellow ham put up a new antenna or by volunteering in emergencies you are missing a great reward.

A fine example is the **Barbour County Area Amateur Radio Club**. Currently under the leadership of Dave Tenney KC8MSM as president, this club is extremely active in the community. Their web site, at:

barbourcountyhamclub.tripod.com

provides the details of all of their activities and is certainly a model for any club in the state wishing to make a difference with amateur radio.

WEST VIRGINIA, I NEED TO KNOW...

I have enjoyed this opportunity to tell you a little bit about myself, but what I really need to know is about you. I need to know what your club is doing and about any upcoming events in your part of our wild and wonderful state. What new repeaters are on the air or changes have been made in the current systems? This column is about *you,* but the only way I will be able to report the news is if you send it to me! Just use one of the addresses above to send a story or images and I will try to have them in the next issue of the *Repeater Journal.*

Thanks and 73,

Rich Clemens

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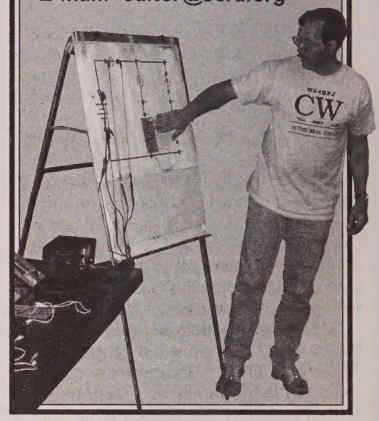

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2004 Repeater Full Member Application

The SouthEastern Repeater Association, Inc.

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Please fill out the this SERA Full Member Application completely. Be sure to list 2 persons as SERA representatives. **ONLY these two will have voting rights, and receive the *Repeater Journal*.** MAIL YOUR CHECK AND APPLICATION TO: SERA FULL MEMBERSHIP, P.O. BOX 215, TOBACCOVILLE, N.C. 27050. Deadline to be listed as member in May 2003 *Repeater Journal* is April 1, 2003.

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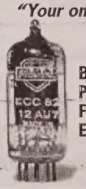

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Hamfest dates marked with an asterisk (*) are *not* confirmed and are estimated from the previous year's date.

We urge hamfest sponsors to send their correct dates to the *Repeater Journal* editor as soon as possible (**editor@sera.org**).

We acknowledge and appreciate assistance in confirming dates from SERA & ARRL Directors, the ARRL, commercial dealers, and many clubs and individuals.

Deadline for May Issue is April 1st, 2004

FEBRUARY, 2004

1 ..... NOARS Winterfest, LORAIN/ELYRIA, OH
6-7 (Fri, Sat) ..... MS St ARRLConv/HF, JACKSON, MS
7 ..... Charleston ARS Hamfest, CHARLESTON, SC
7-8 ..... Dade RC Tropical Hamboree, MIAMI, FL
13-15 ..... Orlando ARC HamCation, ORLANDO, FL
14-15 ..... DixieFest Hamfest, MEMPHIS, TN
8 ..... Mansfield Mid*Winter Hamfest, MANSFIELD, OH
21 ..... Hernando Co. ARA Hamfest, BROOKSVILLE, FL
22 ..... FrostFest, RICHMOND, VA
22 ..... ***New Management***, Hamfest, ELKIN, NC
28 ..... Dalton ARC Hamfest, DALTON, GA
29 ..... Vienna Wireless Winterfest, ANNANDALE, VA
29 ..... Plateau ARA Hamfest, FAYETTEVILLE, WV

MARCH, 2004

6 ..... AR River Val. Hamfest, RUSSELLVILLE, AR
6 ..... Kerbela Hamfest at Temple, KNOXVILLE, TN
6 ..... Charlotte County Hamfest, PORT CHARLOTTE, FL
TBA ..... North Arkansas ARS Hamfest, HARRISON, AR
12-14 ..... Acadiana ARA Hamfest, RAYNE, LA
13-14 ..... Hamfest/Computer Show, CHARLOTTE, NC
13 ..... 26th Mam. Cave ARC Hamfest, CAVE CITY, KY
20 .... Playground ARC Hamfest, FT. WALTON BEACH, FL
20 ..... Hamfest at Coonskin Armory, CHARLESTON, WV
20 ..... Gulfcoast ARC HF, NEW PORT RICHEY, FL
20-21 ... MTARS Hmfst, TN ARRL Conv., TULLAHOMA, TN
21 ... Toledo Mobile Radio Assn. Hamfest, MAUMEE, OH
21 .. DownEast Hmfst - Lenior County FG, KINSTON, NC
28 ..... Lake County ARA Hamfest, MADISON, OH
27-28 ..... Baltimore ARC Hamboree, TIMONIUM, MD

APRIL, 2004

3 ..... Lincoln Trail ARC Hamfest, ELIZABETHTOWN, KY
3 ..... Union County ARC Hamfest, UNION, SC
3 ..... Hamfest at Bradley HS, CLEVELAND, TN
3* ..... Tailgate Party, JACKSONVILLE, FL
3 ..... Fort Smith ARC Hamfest, FT. SMITH, AR
4 ..... RARS*Fest*, ARRL State Convention, RALEIGH, NC
9 .... OzarkCon QRP Conf./Joplin Hamfest, JOPLIN, MO
10 ..... Eastern Shore Hamfest, EASTON, MD
17 ..... Catawba Val. HF & Comp., MORGANTON, NC
18 ..... CUYAHOGA FALLS, OH
23-24 ..... Little Rock Hamfest, LITTLE ROCK, AR
23-24 ..... SE VHF Conference, ATLANTA, GA
23-24 ..... Gainesville ARS Hamfest, GAINESVILLE, FL
24 ..... Chesapeake ARS Springfest, CHESAPEAKE, VA
24 ..... Cherokee Capital ARS Hamfest, CALHOUN, GA
24 ..... BARC In-The-ShadeTailgate Party, MOULTON, AL
30-May 1(Fri-Sat) Baton Rouge ARC Hamfest, BAKER, LA
30-May 1 .. Midwest Div. ARRL Conv/HF, LEBANON, MO

MAY, 2004

1 ..... Upstate SC Hamfest, SPARTANBURG, SC
1 ..... Big Sandy ARC Hamfest, LOUISA, KY
1-2 ..... Birminghamfest, BIRMINGHAM, AL
2 ..... Jackson County ARC Hamfest, RIPLEY, WV
8 ..... Johnson County ARC, MOUNTAIN CITY, TN
14-16 ..... Dayton Hamvention, DAYTON, OH
15 ..... Roanoke ARS Swap Fest, WILLIAMSTON, NC
TBA (Fri-Sat) ..... Jackson Co ARA, PASCAGOULA, MS
29 ..... Hopkins Co. ARA, MADISONVILLE, KY
29 ..... DurHAMfest, NG Armory, DURHAM, NC
30 ..... MFMA Mem. Day Hfst, WEST FRIENDSHIP, MD

JUNE, 2004

5 ..... Atlanta RC Hamfest, ATLANTA, GA
5* .... Northern KY ARC Hamfest, INDEPENDENCE, KY
5 ..... W-S Classic at Dixie FG, WINSTON-SALEM, NC
6 ..... Ole VA Hams, Hamfest at FG, MANASSAS, VA
11-12 (Fri-Sat)RACK Hamfest, TN ARRL, KNOXVILLE, TN

Is your hamfest listed correctly?

(does it still have a dreaded "*")

Have we missed one?

Please e-mail the editor at:

editor@sera.org

12* ..... Nashville ARC Hamfest, SMYRNA, TN
12 *(tent)*... Pig Pickin'/Tailgate (exams), FRANKLIN, VA
12* ..... Dekalb Co. ARC Tailgate Outing, FT. PAYNE, AL
19 ..... Tailgate Party, CHESTER, SC
19 ..... Hamfest (free), SILVER POINT, TN
20 .. Frederick ARC Father's Day Hmfst, FREDERICK, MD
26-27 ..... **ARRL FIELD DAY**

JULY, 2004

3 .... Firecracker Hamfest, Civic Center, SALISBURY, NC
10 ..... Lanierland HF, GAINESVILLE, GA
11 .... Valley Forge Hfst and Cmptr Fair, KIMBERTON, PA
16-17 (fri-sat) ..... Milton ARC Hamfest, MILTON, FL
17 ..... Midsummer Swapfest, CARY, NC
17* ..... RCARS Hamfest at Cdr Pt. Pk, DAYTON, TN
17 ..... NOARSFest, WELLINGTON, OH
24 ..... OH-KY-IN ARS Hamfest, CINCINNATI, OH
31 .... WCARS Hamfest, Hywd Co. FG, WAYNESVILLE, NC
25 ..... BRATS HF and Computer Fest, TIMONIUM, MD
25 ..... Portage ARC Hamfair, RANDOLPH, OH
31 ..... Roanoke Valley Hamfest, (Vinton) ROANOKE, VA

AUGUST, 2004

1 ..... 54th Annual Winchester HF, BERRYVILLE, VA
1* ..... Land of Lakes Hamfest, ANGOLA, IN
7* .. Voice of Aladdin ARC HAM-OH-RAMA, COLUMBUS, OH
14* ..... Valdosta ARC Super-Tailgate, VALDOSTA, GA
14* ..... TARA HF & Comp. Show, HUNTINGTON, WV
8* ..... Bluegrass ARS hamfest, LEXINGTON, KY
15 ..... Carroll County ARC Hamfest, WESTMINSTER, MD
TBA ..... Ellijay ARS Hamfest, ELLIJAY, GA
21* ..... Warren ARA Hamfest, WARREN, OH
21-22 ..... Hamfest, AL Sec. Conv., HUNTSVILLE, AL
28 ..... Short Mt. Repeater Club Hamfest, LEBANON, TN
28-29 .... WV State Conv/HF, (Jksons Mill) WESTON, WV

SEPTEMBER, 2004

4-5 ..... Shelby ARC Hamfest, SHELBY NC
4* ..... Owen County ARA Hamfest, SPENCER, IN
11 .. ***new location*** Louisville Hfst Assn., LOUISVILLE, KY
11 ..... Monroe ARS Swap Meet, MONROE CO., TN
11* ..... Paulding ARC Hamfest, DALLAS, GA
11-12 ..... CARA/FAR Fall-Fest, WEST FRIENDSHIP, MD
12 ..... Findlay Radio Club Hamfest, FINDLAY, OH
18* ..... CAREN/ARRL St. Conv., LITTLE ROCK, AR
18-19 ..... VA Wesleyan, VIRGINIA BEACH, VA
18-19 ..... Chicago FM Club Radio Expo, GRAYSLAKE, IL
19* ..... Greater Cinci ARA Hamfest, CINCINNATI, OH
26* ..... Hamfest Assn. of Clev. HF, CLEVELAND, OH

OCTOBER, 2004

1-2* ..... (Fri-Sat) Ten-Tec Hamfest, SEVIERVILLE, TN
2* ..... York Co. Tech College, ROCK HILL, SC
2 ..... Red Rose Rprt Assn Hamfest, BROWNSTOWN, PA
3* ..... Hoosier Hills Ham Club, BEDFORD, IN
9* ..... Hamfest, STARKE, FL
9* ..... ARC of Augusta, HF/Comp Show, EVANS, GA
10* ..... Hamfest, MAYSVILLE, NC
16 ..... NW GA ARC Hamfest, ROME, GA
16 ..... Greater Jacksonville Hamfest, JACKSONVILLE, FL
16* . Oak Ridge ARC Hamfest, FOE Bldg, OAK RIDGE, TN
23 ..... *date change* – CATS Hamfest, CLARKSVILLE, TN
23* ..... HF at C.Jordan in E.Ridge, CHATTANOOGA, TN
23 ..... Sumter ARC Hamfest/Comp. Fair, SUMTER, SC
24 ..... BENTONVILLE, AR
30 ..... Beachfest, MYRTLE BEACH (CONWAY), SC
31 ..... Massillon ARC Hamfest, CANTON, OH
31 ..... Mason-Dixon Hamfest, WESTMINSTER, MD

NOVEMBER, 2004

6-7* ..... Stone Mt. Hamfest, LAWRENCEVILLE, GA
13 ..... Hamfest at St. Fairgrnds, MONTGOMERY, AL
13 ..... Ft. Wayne Hfst/ARRL St. Conv., FORT WAYNE, IN
13* ..... KY Mt. ARC Hazard Swapfest, HAZARD, KY
13* ..... ***new hamfest*** - GAARC Swapfest, GASTONIA, NC
21* ..... JARSFEST at American Legion, BENSON, NC
19-20 .. Jackson Co. ARA Hamfest, OCEAN SPRINGS, MS
21 ... Central IL/St. Louis ATV Banquet, LITCHFIELD, IL
27 ..... EARS Hamfest, EVANSVILLE, IN

DECEMBER, 2004

none

JANUARY, 2005

1* . Lakeway ARC 'fest, NG Armory, MORRISTOWN, TN
8* Southwest Ohio Digital Symposium, MIDDLETOWN, OH
8* ..... Hamfest, GREENWOOD, SC
15* .... SE LA ARC Hamfest at SLU Univ., HAMMOND, LA
15* ..... SCARA Hamfest at Civic Center, GALLATIN, TN

2005 CONFIRMED DATES

April 10 ..... RARSFest, RALEIGH, NC

2006 CONFIRMED DATES

April 9 ..... RARSFest, RALEIGH, NC

SQUELCHTALE

Gary Pearce
KN4AQ
Editor
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NEW NEW NEW

Ya gotta start at the top, so thanks to Don W4VT for six years of service as SERA President (more in other positions, more to come), and welcome Roger W4RWG as our new Poo Bah! SERA's Board is a gathering of equals – hams who have built repeaters, led clubs, accomplished much. They have the drive, and dare I say the egos to match (including yours truly). There is a wee bit of fire at just about every Board meeting (generally not reported in detail in the meeting summary). The President must deftly poke and prod, sing a sweet tune or make some tough calls, and keep things moving. It's not always pretty, but Don did a great job, and Roger has already shown he is up to the task.

Also new this February are three *RJ* columnists. As Rich Clemens KB8AOB takes the anchor chair for the West Virginia column, we have a reporter in every SERA state for the first time in a long time. I hope you WV members keep him up to date on happenings in the state. Same goes for the rest of the states – our news editors don't know it unless you tell them. And it looks like Kentucky is in good hands with Pat Spencer KD4PWL on the job. Finally, Danny Musten KD4RAA accepted my offer of a regular column on Internet Linking (Echolink and IRLP are the big players here). The technology is growing, and it's spurring its own unique forms of operation. Definitely something the RJ should be covering. Welcome and thanks to Rich, Pat and Danny!

RESTRUCTURING

The Big News this winter gets just a tiny article on page 15. The ARRL has proposed another round of license restructuring. It gets short shrift because it came out right at deadline, and also because you'll find ample coverage elsewhere. "Ample coverage" is another way of saying that it will be beat to death. As well it should be. The proposed changes would affect every SERA member. We don't keep license class stats, but I'd hazard a guess that we have a lot of Techs, code and no-code. You'd all be upgraded to General and gain HF privileges. And you'll be grumbled at a lot by hams who think you're getting something for nothing.

The debate is in full frenzy already. The cries of "dumbing down" and turning ham radio into CB are echoes from past changes. They didn't come true then. I see no reason for them to come true now. I lose no sleep knowing that I passed 13 wpm (but not 20) to get my Extra, and you'll be able to join me on 20 meter phone. There are some details to sweat, but the ham radio I see under this proposal actually feels pretty good.

Particularly the new Novice, and the end of the Tech. The class division of a group of VHF+ only hams isn't serving ham radio. It may have spurred repeater development, and maybe Internet linking. I don't know... that's a guess. And there's lots more to accomplish above 50 MHz. If everybody decides they'd rather work DX on HF, that would be a problem. I don't expect that to happen. The half-measures of giving Novices 220 went nowhere. Techs have always been branded second-class hams (if you give a flip about the ones holding the branding iron). This is a bull-by-the-horns proposal that will make things work.

BPL

I have seen BPL, and I am worried. My power company, Progress Energy, is genuinely working with hams to see if this new Internet delivery tool can work. I don't see how, at least with the technology demonstrated today. We have some leg (and pencil.. er, keyboard) work to do to confirm this, but even with the control that Amperion demonstrated, I think there's just too much loose RF energy to squeeze it all into a dense neighborhood and keep it out of the ham bands (and SWL bands, and utility bands, and anything else you want to listen to). We'll be challenging them with our concerns. I have great hopes that the NTIA report will be honest and compelling.

ALABAMA

It was great to see Ron W4VM, Alabama's new Frequency Coordinator, at the Board meeting. Will Alabama join SERA? Don't' know! My personal vision of all those new *RJ* readers isn't the most important consideration. But I can hope.

LOOKS GOOD ON PAPER

This column *was* going to be all about paper repeaters, before events overtook this quarter's issue. Paper repeaters – repeaters that are in the SERA database, but aren't on the air – are a serious problem. It's annoying on 6, 220, UHF, when a repeater is listed in the Index for years but there's nothing to key up. But it's worse on two meters, where the band is full in many areas, with people who want to put up repeaters but no channels available.

SERA has rules & regs about that. You're supposed to have 6 months to get a repeater on the air once you receive coordination, with a onetime 6 month extension if you ask for it. You can get about five months to repair a busted machine.

They're not working very well right now because coordinators want to be good guys and not make repeater owners mad by pushing too hard, because every owner with a dark repeater has a compelling story of woe, and it'll be on real soon (which is the same thing they said last year, but it still isn't on), and frankly because it will be a lot of work to enforce the CP&G's to the letter. They're not working because some repeater owners think that once they've received coordination, it's "good for a lifetime," (Riley says that's not true), and they don't follow through on the SERA paperwork.

Mea Culpa. This *RJ* is about a week late hitting the printer because I dedicated a bunch of time to getting my club's 145.13 repeater back on the air here in Raleigh. My excuses were about as good as everyone else's, according to the NC Coordinator, W4FAL. (And the BPL investigation hit in the middle of the final production cycle... see, doesn't that sound reasonable?).

Vester N8EKA has been pushing some of these buttons in his GA column. It looks like the SERA Board is about to take it head-on... we'll see. I'd promise more on this in the next *RJ,* but...

FAT RJ

This edition of the *Journal* is another 68 pager, crammed to the gills. I'll be disappointing several authors who wrote articles that aren't here. Look for them in May, guys! The February issue carries the biggest advertising load (which pays the bills, and tells you about stuff you want to know about, so quitcherbitchin). I could go past 68 pages, but I don't have time to put it all together. I gotta stop somewhere. Well, being editor means making some tough calls, just like being President. So you get what you get, and hopefully you'll be happy! See you in May!

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